



Full wwPDB NMR Structure Validation Report ⓘ

Mar 4, 2026 – 11:19 PM UTC

PDB ID : 2MZE / pdb_00002mze
BMRB ID : 25485
Title : NMR Solution Structure of the PRO Form of Human Matrilysin (proMMP-7)
Authors : Prior, S.H.; Fulcher, Y.G.; Van Doren, S.R.
Deposited on : 2015-02-11

This is a Full wwPDB NMR Structure Validation Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/NMRValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4-5-2 with Phenix2.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI : v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV : Wang et al. (2010)
wwPDB-ShiftChecker : v1.2
BMRB Restraints Analysis : v1.2
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

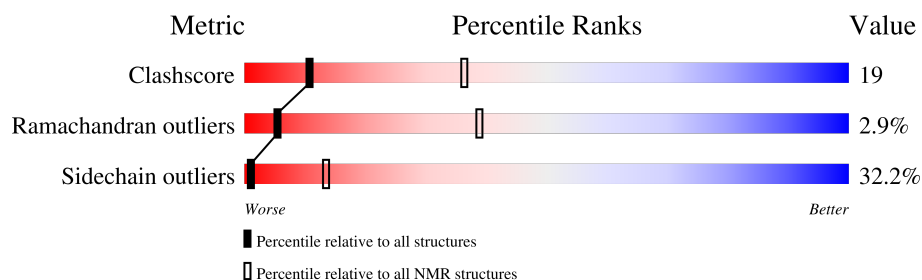
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 84%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

The table below summarises the geometric issues observed across the polymeric chains and their fit to the experimental data. The red, orange, yellow and green segments indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	250	42% 32% 6% 20%

2 Ensemble composition and analysis ⓘ

This entry contains 20 models. Model 18 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

The following residues are included in the computation of the global validation metrics.

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:12-A:23, A:35-A:72, A:82-A:216, A:224-A:239 (201)	0.64	18

Ill-defined regions of proteins are excluded from the global statistics.

Ligands and non-protein polymers are included in the analysis.

The models can be grouped into 3 clusters. No single-model clusters were found.

Cluster number	Models
1	1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 15, 16, 18, 19, 20
2	9, 11
3	6, 17

3 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 3883 atoms, of which 1913 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Matrilysin.

Mol	Chain	Residues	Atoms						Trace
1	A	250	Total	C	H	N	O	S	0
			3879	1251	1913	341	365	9	

There is a discrepancy between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	195	ALA	GLU	engineered mutation	UNP P09237

- Molecule 2 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	
2	A	2	Total	Ca
			2	2

- Molecule 3 is ZINC ION (CCD ID: ZN) (formula: Zn).

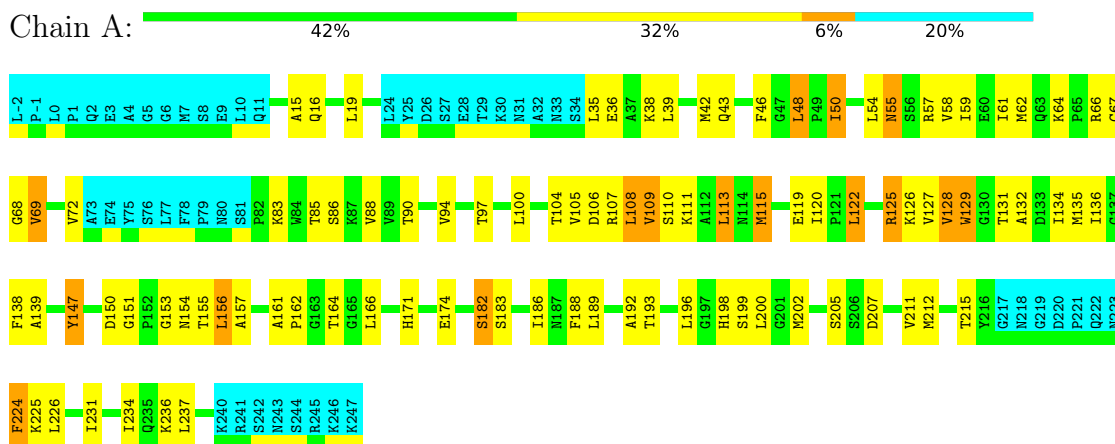
Mol	Chain	Residues	Atoms	
3	A	2	Total	Zn
			2	2

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

These plots are provided for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic is the same as shown in the summary in section 1 of this report. The second graphic shows the sequence where residues are colour-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. Stretches of 2 or more consecutive residues without any outliers are shown as green connectors. Residues which are classified as ill-defined in the NMR ensemble, are shown in cyan with an underline colour-coded according to the previous scheme. Residues which were present in the experimental sample, but not modelled in the final structure are shown in grey.

- Molecule 1: Matrilysin

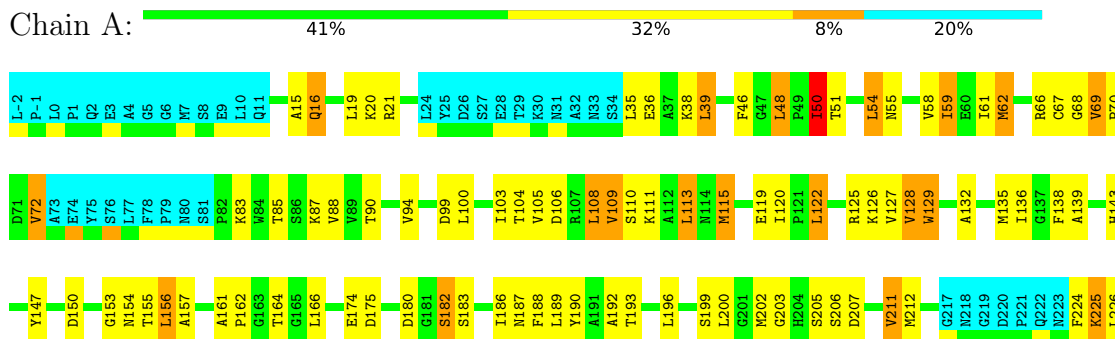


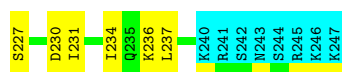
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

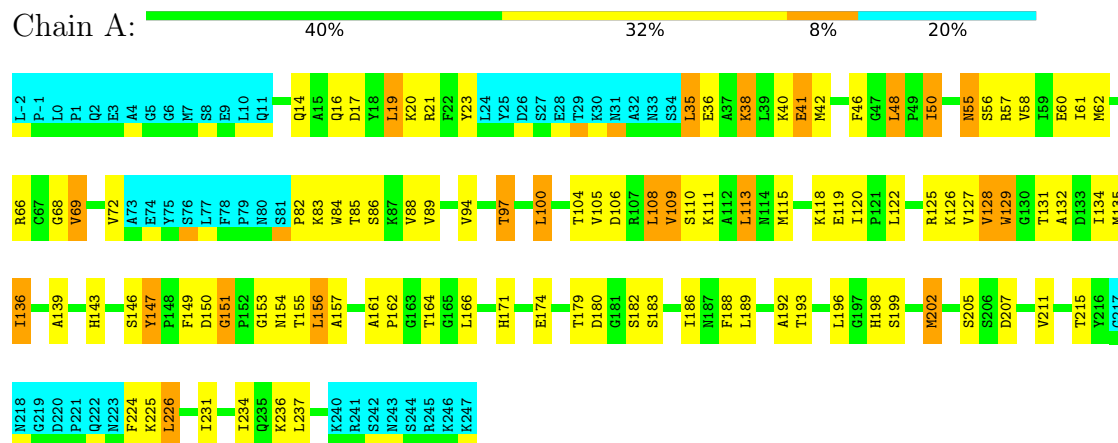
- Molecule 1: Matrilysin





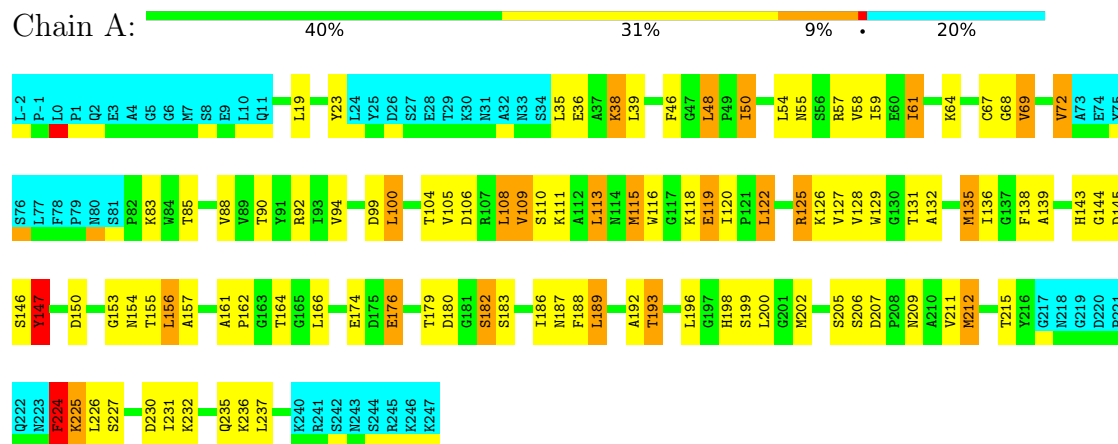
4.2.2 Score per residue for model 2

- Molecule 1: Matrilysin



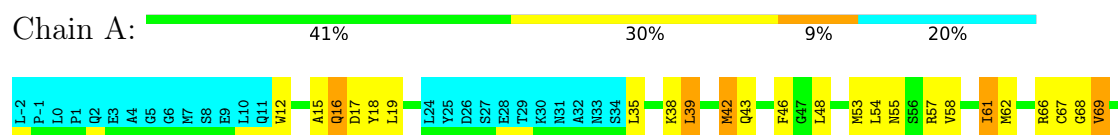
4.2.3 Score per residue for model 3

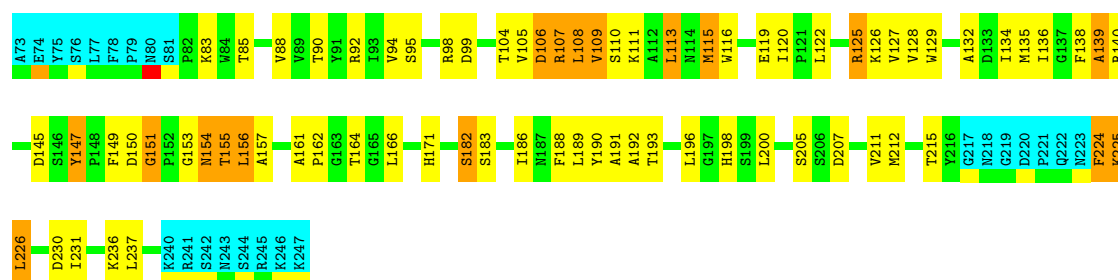
- Molecule 1: Matrilysin



4.2.4 Score per residue for model 4

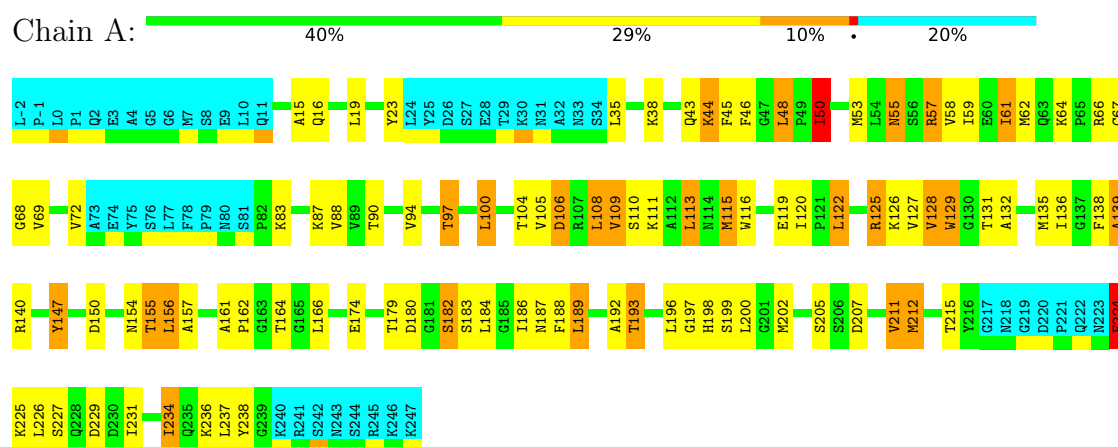
- Molecule 1: Matrilysin





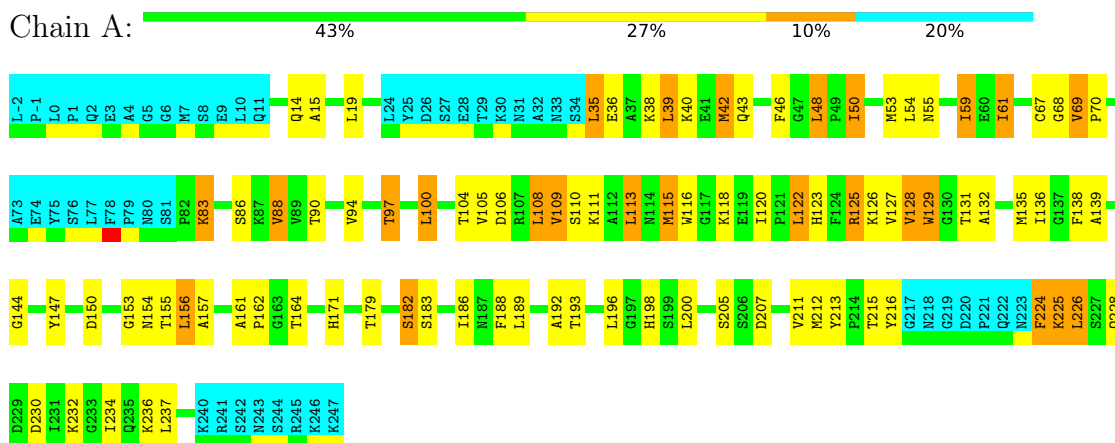
4.2.5 Score per residue for model 5

- Molecule 1: Matrilysin



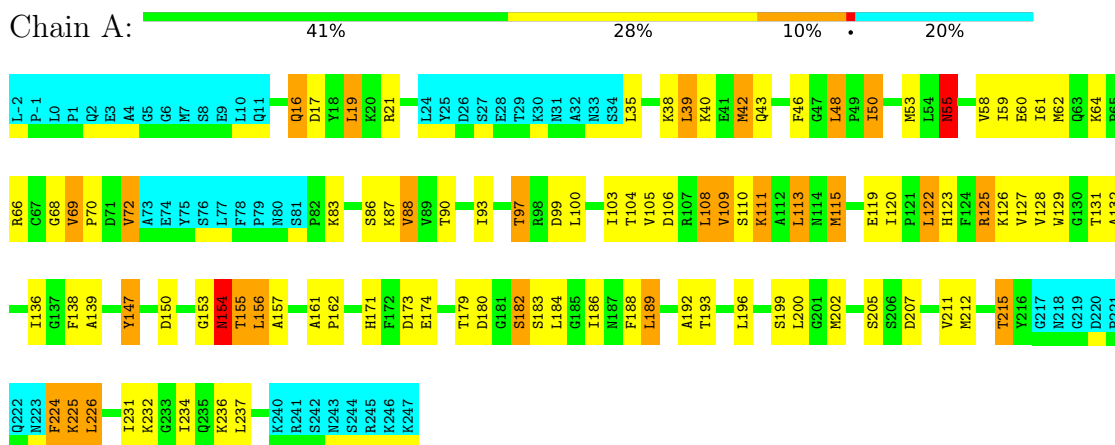
4.2.7 Score per residue for model 7

• Molecule 1: Matrilysin



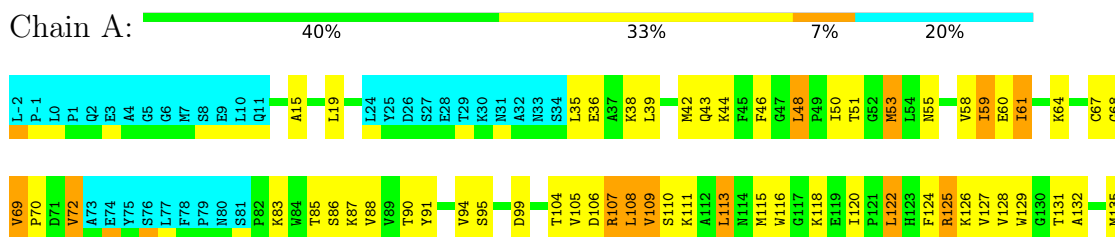
4.2.8 Score per residue for model 8

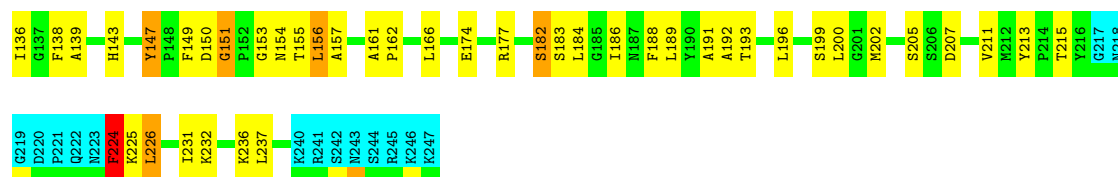
• Molecule 1: Matrilysin



4.2.9 Score per residue for model 9

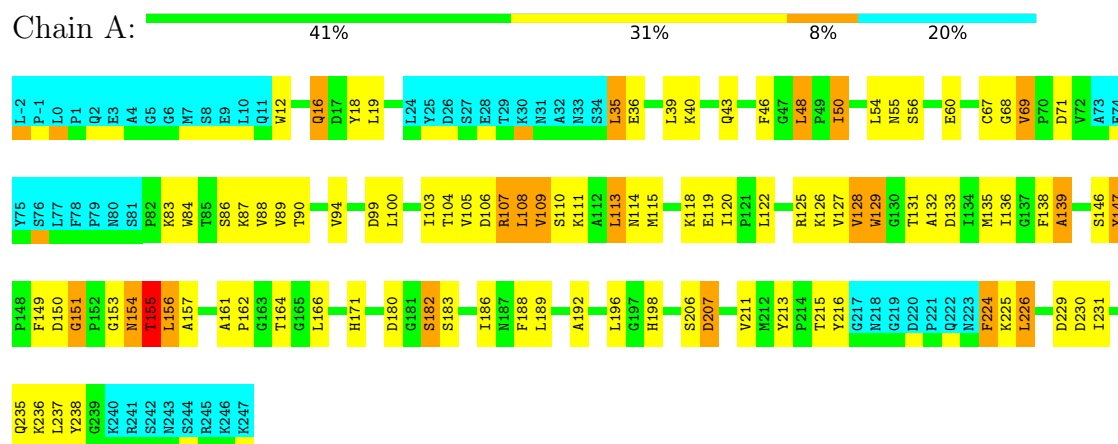
• Molecule 1: Matrilysin

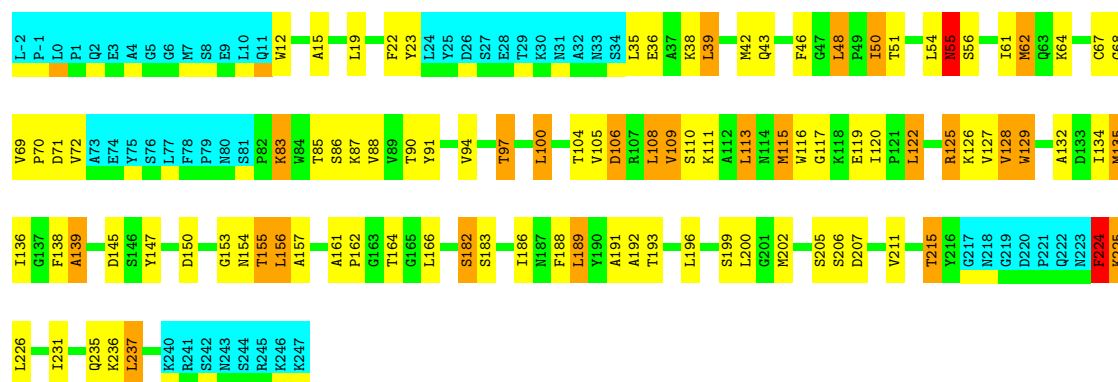




4.2.10 Score per residue for model 10

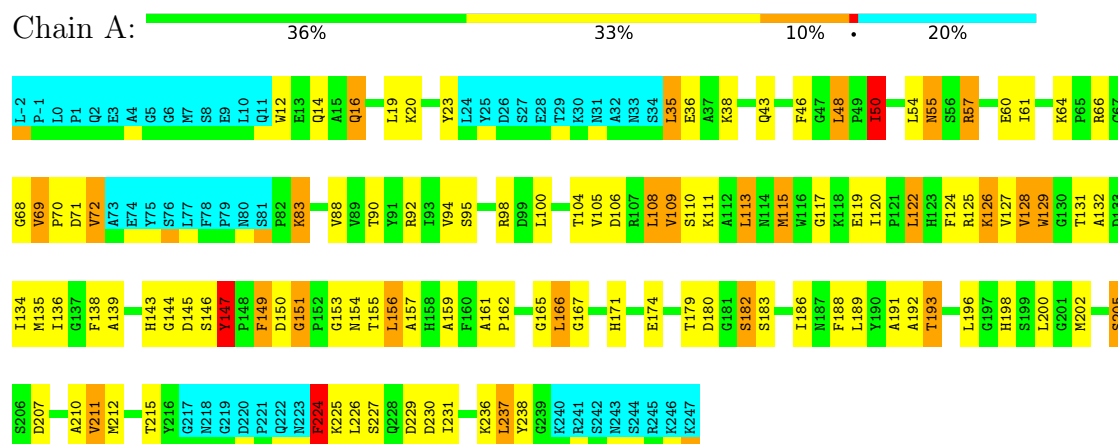
- Molecule 1: Matrilysin





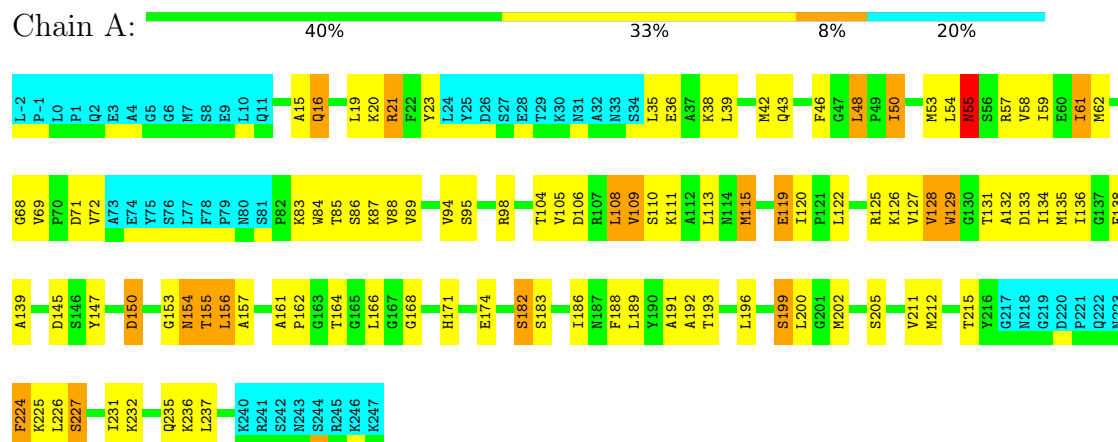
4.2.13 Score per residue for model 13

- Molecule 1: Matrylsin



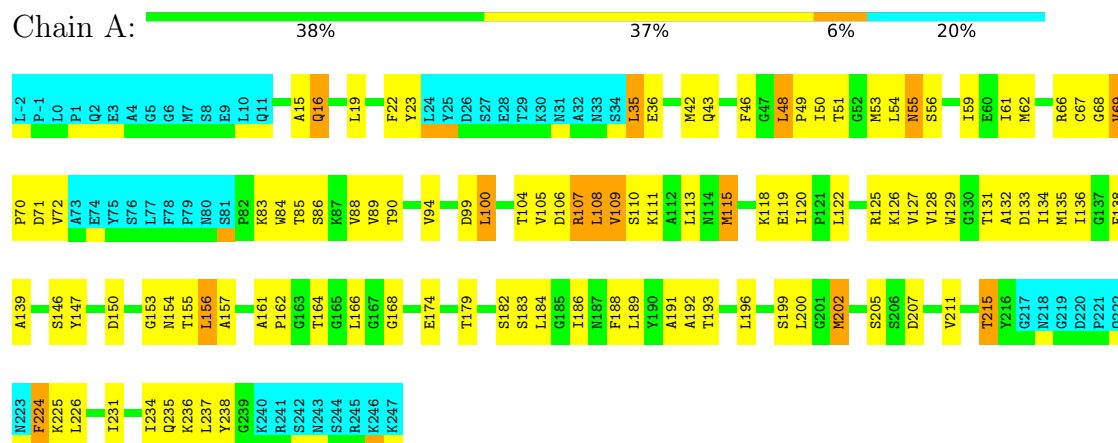
4.2.14 Score per residue for model 14

- Molecule 1: Matrylsin



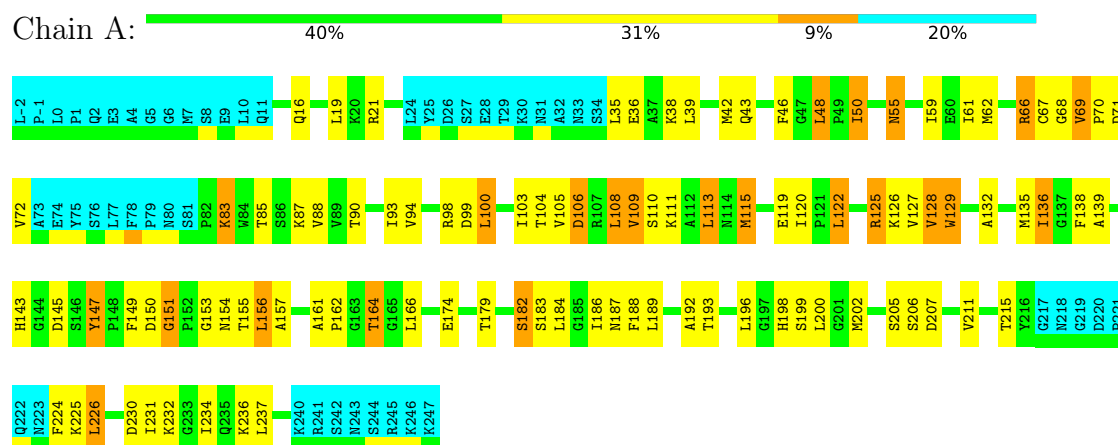
4.2.15 Score per residue for model 15

• Molecule 1: Matrilysin



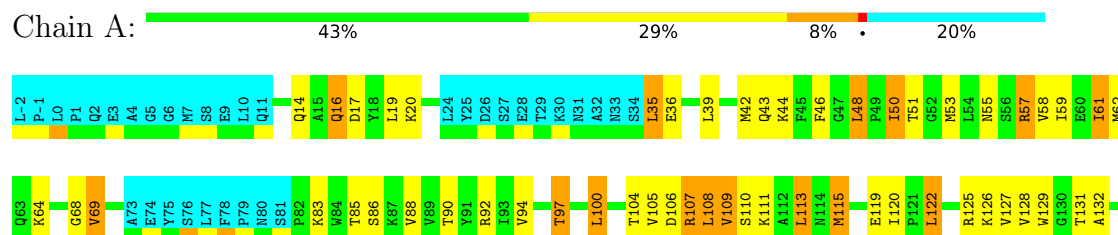
4.2.16 Score per residue for model 16

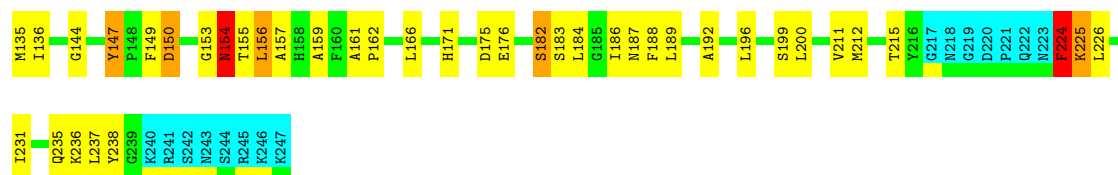
• Molecule 1: Matrilysin



4.2.17 Score per residue for model 17

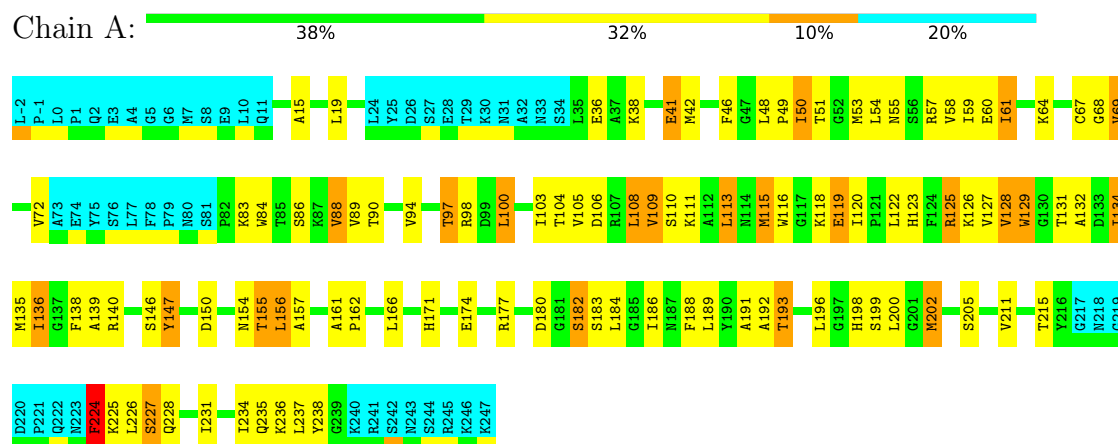
• Molecule 1: Matrilysin





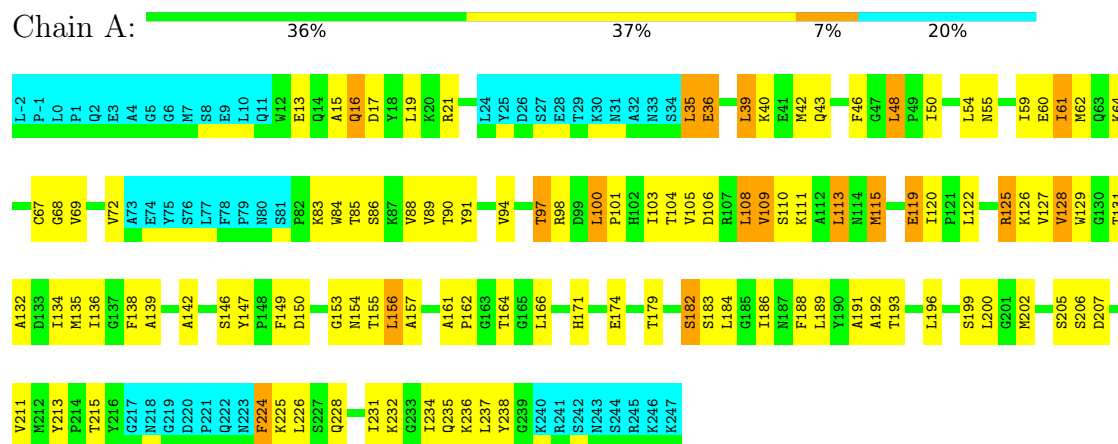
4.2.18 Score per residue for model 18 (medoid)

- Molecule 1: Matrilysin



4.2.19 Score per residue for model 19

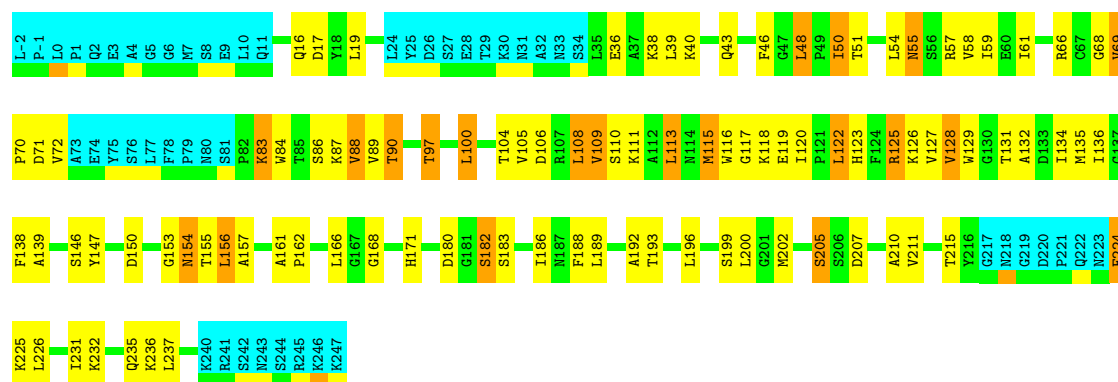
- Molecule 1: Matrilysin



4.2.20 Score per residue for model 20

- Molecule 1: Matrilysin





5 Refinement protocol and experimental data overview

The models were refined using the following method: *simulated annealing, torsion angle dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

The following table shows the software used for structure solution, optimisation and refinement.

Software name	Classification	Version
TALOS	geometry optimization	
CYANA	structure solution	2.1
CYANA	refinement	

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	2659
Number of shifts mapped to atoms	2658
Number of unparsed shifts	0
Number of shifts with mapping errors	1
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	84%

6 Model quality ⓘ

6.1 Standard geometry ⓘ

Bond lengths and bond angles in the following residue types are not validated in this section: ZN, CA

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts ⓘ

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in each chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1590	1555	1556	58±6
All	All	31880	31100	31120	1169

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 19.

All unique clashes are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:120:ILE:HD12	1:A:122:LEU:HD12	0.97	1.34	3	18
1:A:156:LEU:HD21	1:A:186:ILE:HG21	0.96	1.38	5	20
1:A:127:VAL:HG11	1:A:132:ALA:HB2	0.94	1.37	7	20
1:A:113:LEU:HD13	1:A:196:LEU:HD12	0.91	1.39	14	7
1:A:42:MET:HE2	1:A:61:ILE:HD11	0.83	1.49	11	2
1:A:39:LEU:HD11	1:A:54:LEU:HD22	0.81	1.53	3	3
1:A:42:MET:HE3	1:A:61:ILE:HD11	0.79	1.53	18	5
1:A:166:LEU:HD22	1:A:166:LEU:C	0.78	2.04	13	2
1:A:83:LYS:HD2	1:A:237:LEU:HD23	0.78	1.56	12	2
1:A:43:GLN:HA	1:A:48:LEU:HD12	0.77	1.54	4	2
1:A:46:PHE:CZ	1:A:61:ILE:HD13	0.75	2.17	20	6
1:A:156:LEU:HD21	1:A:186:ILE:CG2	0.72	2.14	6	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:15:ALA:HB1	1:A:62:MET:HE3	0.72	1.62	1	6
1:A:113:LEU:CD1	1:A:196:LEU:HD12	0.70	2.16	11	20
1:A:105:VAL:O	1:A:109:VAL:HG13	0.69	1.87	10	20
1:A:105:VAL:HG13	1:A:188:PHE:CZ	0.69	2.23	15	19
1:A:104:THR:O	1:A:108:LEU:HD22	0.68	1.89	17	20
1:A:113:LEU:HD12	1:A:196:LEU:HD12	0.68	1.65	17	18
1:A:115:MET:HB3	1:A:226:LEU:HD23	0.68	1.65	16	5
1:A:68:GLY:CA	1:A:155:THR:HG23	0.67	2.19	8	1
1:A:115:MET:O	1:A:226:LEU:HD11	0.67	1.88	5	11
1:A:42:MET:HE3	1:A:46:PHE:CZ	0.67	2.24	9	2
1:A:94:VAL:HG22	1:A:135:MET:HE3	0.67	1.65	1	12
1:A:43:GLN:OE1	1:A:48:LEU:HD11	0.67	1.90	16	5
1:A:42:MET:HE1	1:A:62:MET:HE3	0.66	1.65	17	1
1:A:84:TRP:CE3	1:A:89:VAL:HG21	0.66	2.26	18	7
1:A:83:LYS:HD2	1:A:237:LEU:HD22	0.65	1.66	4	11
1:A:192:ALA:O	1:A:196:LEU:HD23	0.65	1.91	10	20
1:A:39:LEU:HD13	1:A:54:LEU:HD23	0.65	1.68	11	2
1:A:83:LYS:CE	1:A:237:LEU:HD13	0.65	2.21	15	10
1:A:115:MET:HE3	1:A:224:PHE:CE2	0.64	2.27	17	5
1:A:19:LEU:O	1:A:19:LEU:HD13	0.64	1.92	20	11
1:A:226:LEU:HB3	1:A:231:ILE:HD11	0.64	1.70	9	12
1:A:53:MET:O	1:A:58:VAL:HG21	0.63	1.94	4	2
1:A:83:LYS:HE3	1:A:237:LEU:HD13	0.63	1.68	4	1
1:A:83:LYS:CD	1:A:237:LEU:HD22	0.63	2.24	16	5
1:A:39:LEU:CD1	1:A:54:LEU:HD23	0.63	2.23	14	2
1:A:127:VAL:HG11	1:A:132:ALA:CB	0.63	2.22	9	14
1:A:166:LEU:HD22	1:A:167:GLY:N	0.63	2.09	11	2
1:A:68:GLY:HA2	1:A:155:THR:HG23	0.63	1.69	8	9
1:A:119:GLU:HG2	1:A:226:LEU:HD13	0.63	1.70	14	7
1:A:193:THR:HG21	1:A:211:VAL:HG21	0.63	1.69	5	3
1:A:83:LYS:CG	1:A:237:LEU:HD22	0.62	2.24	7	3
1:A:42:MET:CE	1:A:61:ILE:HD11	0.62	2.24	4	6
1:A:94:VAL:HG22	1:A:135:MET:SD	0.61	2.35	19	6
1:A:61:ILE:HG21	1:A:215:THR:HG22	0.61	1.72	19	2
1:A:46:PHE:CD2	1:A:61:ILE:HD12	0.61	2.30	4	2
1:A:120:ILE:CD1	1:A:122:LEU:HD12	0.61	2.26	16	13
1:A:42:MET:HE1	1:A:61:ILE:HD11	0.61	1.71	16	2
1:A:54:LEU:CD1	1:A:59:ILE:HD13	0.61	2.25	20	1
1:A:119:GLU:HB3	1:A:231:ILE:HG23	0.61	1.72	2	7
1:A:46:PHE:CE2	1:A:61:ILE:HD13	0.61	2.30	6	2
1:A:43:GLN:CD	1:A:48:LEU:HD11	0.61	2.21	13	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:43:GLN:CB	1:A:51:THR:HG22	0.60	2.26	20	3
1:A:16:GLN:NE2	1:A:35:LEU:HD12	0.60	2.11	17	6
1:A:69:VAL:HG12	1:A:70:PRO:HD2	0.60	1.73	7	8
1:A:43:GLN:CA	1:A:48:LEU:HD12	0.60	2.26	4	2
1:A:16:GLN:CD	1:A:35:LEU:HD12	0.60	2.21	8	1
1:A:50:ILE:HD13	1:A:56:SER:OG	0.60	1.97	12	1
1:A:83:LYS:HD3	1:A:237:LEU:HD22	0.60	1.72	17	6
1:A:46:PHE:CG	1:A:61:ILE:HD12	0.60	2.32	4	1
1:A:127:VAL:CG1	1:A:132:ALA:HB2	0.60	2.27	10	6
1:A:161:ALA:HB1	1:A:162:PRO:HD2	0.59	1.74	14	20
1:A:134:ILE:HG23	1:A:168:GLY:O	0.59	1.97	20	3
1:A:119:GLU:HG3	1:A:226:LEU:HD13	0.59	1.74	10	2
1:A:237:LEU:O	1:A:237:LEU:HD23	0.59	1.98	19	9
1:A:69:VAL:HG21	1:A:198:HIS:CD2	0.59	2.32	4	8
1:A:84:TRP:CH2	1:A:89:VAL:HG11	0.59	2.33	20	4
1:A:49:PRO:O	1:A:51:THR:HG23	0.59	1.97	15	3
1:A:57:ARG:O	1:A:61:ILE:HG23	0.58	1.97	20	10
1:A:68:GLY:N	1:A:157:ALA:O	0.58	2.34	10	20
1:A:43:GLN:HG2	1:A:48:LEU:HD11	0.58	1.73	12	6
1:A:16:GLN:HB3	1:A:35:LEU:HD21	0.58	1.76	10	1
1:A:119:GLU:HB2	1:A:231:ILE:HG23	0.58	1.74	15	1
1:A:115:MET:HE3	1:A:224:PHE:CZ	0.58	2.33	3	1
1:A:61:ILE:CG2	1:A:215:THR:HG22	0.58	2.29	19	1
1:A:166:LEU:C	1:A:166:LEU:CD2	0.58	2.76	11	2
1:A:149:PHE:O	1:A:150:ASP:CG	0.58	2.47	13	7
1:A:90:THR:HG22	1:A:125:ARG:HB3	0.58	1.76	19	12
1:A:134:ILE:HD12	1:A:134:ILE:N	0.57	2.14	18	3
1:A:69:VAL:HG21	1:A:159:ALA:O	0.57	2.00	17	2
1:A:46:PHE:CE2	1:A:61:ILE:HD12	0.57	2.35	1	5
1:A:83:LYS:CD	1:A:237:LEU:HD13	0.57	2.29	11	10
1:A:166:LEU:O	1:A:166:LEU:HD13	0.57	2.00	14	1
1:A:205:SER:OG	1:A:212:MET:HE2	0.57	1.99	11	1
1:A:106:ASP:O	1:A:109:VAL:HG22	0.57	2.00	16	20
1:A:42:MET:HE1	1:A:58:VAL:HG13	0.57	1.75	4	1
1:A:42:MET:HE3	1:A:46:PHE:CE1	0.56	2.35	19	1
1:A:39:LEU:CD1	1:A:54:LEU:HD22	0.56	2.28	3	2
1:A:83:LYS:HD2	1:A:237:LEU:HD13	0.56	1.77	17	6
1:A:46:PHE:HB3	1:A:48:LEU:HD23	0.56	1.77	1	6
1:A:138:PHE:O	1:A:139:ALA:HB2	0.56	2.01	12	18
1:A:122:LEU:HD11	1:A:238:TYR:CZ	0.56	2.36	13	2
1:A:115:MET:HE3	1:A:225:LYS:HA	0.56	1.76	4	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:100:LEU:HD22	1:A:104:THR:HG21	0.56	1.77	3	5
1:A:166:LEU:O	1:A:166:LEU:HD23	0.56	2.00	10	5
1:A:189:LEU:HD12	1:A:224:PHE:CD2	0.55	2.37	3	3
1:A:19:LEU:HD12	1:A:38:LYS:HG2	0.55	1.78	3	1
1:A:16:GLN:NE2	1:A:35:LEU:HD22	0.55	2.16	5	3
1:A:43:GLN:HA	1:A:48:LEU:CD1	0.55	2.32	17	1
1:A:202:MET:SD	1:A:234:ILE:HD12	0.55	2.41	16	6
1:A:15:ALA:HB1	1:A:62:MET:CE	0.55	2.31	19	2
1:A:42:MET:HE1	1:A:58:VAL:CG1	0.55	2.32	4	1
1:A:46:PHE:CZ	1:A:61:ILE:HD12	0.54	2.37	11	7
1:A:198:HIS:CE1	1:A:212:MET:HE1	0.54	2.36	13	2
1:A:226:LEU:HD22	1:A:231:ILE:HD11	0.54	1.77	12	4
1:A:93:ILE:CD1	1:A:109:VAL:HG11	0.54	2.32	8	1
1:A:226:LEU:CB	1:A:231:ILE:HD11	0.54	2.33	18	3
1:A:97:THR:O	1:A:100:LEU:O	0.54	2.26	8	9
1:A:115:MET:HE1	1:A:225:LYS:HA	0.54	1.80	3	3
1:A:46:PHE:CE1	1:A:61:ILE:HD12	0.54	2.38	17	2
1:A:105:VAL:HG13	1:A:188:PHE:CE2	0.54	2.37	11	9
1:A:116:TRP:O	1:A:119:GLU:HG3	0.54	2.03	12	1
1:A:39:LEU:HD21	1:A:54:LEU:HD22	0.54	1.80	4	1
1:A:100:LEU:HD21	1:A:179:THR:HA	0.53	1.79	13	6
1:A:186:ILE:HG22	1:A:191:ALA:HB2	0.53	1.81	12	10
1:A:50:ILE:HD11	1:A:57:ARG:HG2	0.53	1.80	13	1
1:A:50:ILE:HD12	1:A:58:VAL:HG23	0.53	1.81	5	10
1:A:182:SER:O	1:A:183:SER:C	0.53	2.52	16	20
1:A:19:LEU:HD21	1:A:42:MET:HG3	0.53	1.80	7	2
1:A:226:LEU:HD23	1:A:230:ASP:OD2	0.53	2.04	10	1
1:A:119:GLU:CD	1:A:231:ILE:HG21	0.53	2.28	20	1
1:A:119:GLU:OE1	1:A:120:ILE:HG23	0.53	2.04	12	1
1:A:100:LEU:HD21	1:A:180:ASP:H	0.52	1.62	8	1
1:A:15:ALA:CB	1:A:54:LEU:HD21	0.52	2.33	18	2
1:A:19:LEU:HD13	1:A:38:LYS:HG2	0.52	1.79	18	1
1:A:19:LEU:HD22	1:A:23:TYR:CE2	0.52	2.39	2	1
1:A:134:ILE:N	1:A:134:ILE:CD1	0.52	2.73	18	2
1:A:139:ALA:HB1	1:A:143:HIS:CB	0.52	2.34	3	6
1:A:39:LEU:HD21	1:A:54:LEU:CD2	0.52	2.34	4	1
1:A:135:MET:HA	1:A:135:MET:HE2	0.52	1.82	4	3
1:A:54:LEU:HD13	1:A:59:ILE:HD13	0.52	1.82	20	1
1:A:128:VAL:HG23	1:A:129:TRP:NE1	0.52	2.20	5	10
1:A:142:ALA:HB2	1:A:149:PHE:CD2	0.52	2.40	11	2
1:A:202:MET:HE3	1:A:230:ASP:OD1	0.52	2.04	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:212:MET:HE1	1:A:230:ASP:HA	0.51	1.81	11	1
1:A:92:ARG:HB3	1:A:135:MET:HE1	0.51	1.82	13	3
1:A:39:LEU:HD21	1:A:54:LEU:HB2	0.51	1.82	12	2
1:A:202:MET:HE1	1:A:230:ASP:O	0.51	2.04	3	2
1:A:156:LEU:HD11	1:A:186:ILE:HG13	0.51	1.82	3	2
1:A:116:TRP:CZ3	1:A:226:LEU:HD11	0.51	2.41	4	3
1:A:83:LYS:HE2	1:A:237:LEU:HD13	0.51	1.81	15	2
1:A:119:GLU:CG	1:A:226:LEU:HD13	0.51	2.36	2	3
1:A:153:GLY:O	1:A:154:ASN:C	0.51	2.54	2	17
1:A:16:GLN:NE2	1:A:35:LEU:HD13	0.50	2.21	6	1
1:A:35:LEU:O	1:A:39:LEU:HG	0.50	2.06	9	4
1:A:54:LEU:CD1	1:A:59:ILE:HD12	0.50	2.36	1	1
1:A:117:GLY:HA2	1:A:120:ILE:CG1	0.50	2.37	11	4
1:A:46:PHE:CB	1:A:48:LEU:HD23	0.50	2.37	12	14
1:A:84:TRP:CZ3	1:A:89:VAL:HG11	0.50	2.42	2	5
1:A:109:VAL:CG2	1:A:110:SER:N	0.49	2.74	6	20
1:A:134:ILE:HG22	1:A:136:ILE:CD1	0.49	2.37	18	2
1:A:61:ILE:HD13	1:A:215:THR:HG22	0.49	1.83	9	1
1:A:134:ILE:O	1:A:135:MET:HE2	0.49	2.06	6	4
1:A:19:LEU:HD13	1:A:39:LEU:HD22	0.49	1.84	8	1
1:A:61:ILE:HG21	1:A:215:THR:HG23	0.49	1.83	15	1
1:A:198:HIS:CE1	1:A:212:MET:HE3	0.49	2.43	3	1
1:A:35:LEU:CD2	1:A:39:LEU:HD22	0.49	2.37	7	1
1:A:19:LEU:HD12	1:A:62:MET:HE1	0.49	1.85	8	1
1:A:88:VAL:HG23	1:A:123:HIS:CD2	0.49	2.42	20	5
1:A:42:MET:HE3	1:A:61:ILE:CD1	0.49	2.35	18	1
1:A:139:ALA:HB1	1:A:143:HIS:HB3	0.49	1.85	13	3
1:A:146:SER:O	1:A:147:TYR:CB	0.49	2.61	13	2
1:A:202:MET:HE2	1:A:234:ILE:HD12	0.49	1.83	5	1
1:A:43:GLN:O	1:A:48:LEU:HD12	0.49	2.08	17	1
1:A:12:TRP:CH2	1:A:54:LEU:HD23	0.49	2.42	4	3
1:A:15:ALA:CB	1:A:59:ILE:HD11	0.49	2.38	9	2
1:A:224:PHE:C	1:A:224:PHE:CD1	0.49	2.91	14	2
1:A:15:ALA:HB1	1:A:62:MET:SD	0.48	2.48	4	1
1:A:100:LEU:HD21	1:A:180:ASP:N	0.48	2.23	8	1
1:A:203:GLY:C	1:A:212:MET:HE3	0.48	2.34	1	1
1:A:61:ILE:CG2	1:A:215:THR:HG23	0.48	2.39	8	3
1:A:157:ALA:HB1	1:A:171:HIS:O	0.48	2.08	19	13
1:A:66:ARG:O	1:A:156:LEU:HD23	0.48	2.08	16	4
1:A:42:MET:HE3	1:A:46:PHE:CE2	0.48	2.44	9	1
1:A:16:GLN:HE22	1:A:35:LEU:HD22	0.48	1.68	14	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:116:TRP:CH2	1:A:202:MET:HE3	0.48	2.44	3	2
1:A:119:GLU:HG3	1:A:231:ILE:HG21	0.48	1.84	18	1
1:A:100:LEU:HD11	1:A:179:THR:HA	0.47	1.86	15	4
1:A:50:ILE:HD11	1:A:57:ARG:CG	0.47	2.39	13	1
1:A:50:ILE:HD11	1:A:57:ARG:HB3	0.47	1.87	5	1
1:A:97:THR:OG1	1:A:105:VAL:HG21	0.47	2.09	19	8
1:A:113:LEU:HD21	1:A:124:PHE:CD2	0.47	2.44	13	3
1:A:166:LEU:HD13	1:A:166:LEU:C	0.47	2.35	14	1
1:A:234:ILE:HD11	1:A:238:TYR:CE1	0.47	2.45	19	2
1:A:150:ASP:O	1:A:151:GLY:C	0.47	2.57	11	5
1:A:93:ILE:HG23	1:A:136:ILE:O	0.47	2.09	16	1
1:A:50:ILE:CD1	1:A:58:VAL:HG23	0.47	2.39	1	4
1:A:23:TYR:HB3	1:A:72:VAL:HG21	0.47	1.86	13	2
1:A:193:THR:HG21	1:A:224:PHE:CE1	0.47	2.45	18	2
1:A:23:TYR:CE2	1:A:72:VAL:HG11	0.47	2.44	5	1
1:A:50:ILE:HD12	1:A:58:VAL:CG2	0.47	2.40	11	2
1:A:16:GLN:OE1	1:A:35:LEU:HD21	0.47	2.09	4	1
1:A:111:LYS:HB3	1:A:189:LEU:HD21	0.47	1.87	8	1
1:A:41:GLU:HG3	1:A:42:MET:N	0.47	2.25	18	2
1:A:19:LEU:C	1:A:19:LEU:HD13	0.47	2.35	15	2
1:A:166:LEU:C	1:A:166:LEU:HD23	0.47	2.35	9	5
1:A:83:LYS:HD3	1:A:237:LEU:HD13	0.47	1.87	7	3
1:A:44:LYS:HD2	1:A:45:PHE:N	0.46	2.25	5	1
1:A:35:LEU:HD11	1:A:39:LEU:HD21	0.46	1.86	14	2
1:A:23:TYR:O	1:A:70:PRO:HB3	0.46	2.11	12	1
1:A:19:LEU:HD13	1:A:19:LEU:C	0.46	2.36	12	8
1:A:135:MET:HE2	1:A:135:MET:HA	0.46	1.87	19	1
1:A:122:LEU:HD11	1:A:238:TYR:CE1	0.46	2.45	5	1
1:A:20:LYS:HA	1:A:23:TYR:CE1	0.46	2.44	14	1
1:A:15:ALA:O	1:A:62:MET:HE3	0.46	2.11	5	1
1:A:90:THR:C	1:A:132:ALA:HB1	0.46	2.35	10	2
1:A:35:LEU:C	1:A:35:LEU:HD12	0.45	2.37	2	2
1:A:97:THR:HG23	1:A:138:PHE:CE2	0.45	2.46	20	1
1:A:43:GLN:CG	1:A:48:LEU:HD11	0.45	2.41	7	3
1:A:19:LEU:HD11	1:A:42:MET:SD	0.45	2.52	2	1
1:A:119:GLU:OE1	1:A:226:LEU:HD13	0.45	2.11	15	1
1:A:16:GLN:CD	1:A:35:LEU:HD13	0.45	2.37	6	1
1:A:192:ALA:O	1:A:196:LEU:HB2	0.45	2.12	13	10
1:A:149:PHE:C	1:A:151:GLY:N	0.45	2.74	4	6
1:A:83:LYS:CD	1:A:237:LEU:HD23	0.45	2.37	12	1
1:A:119:GLU:CD	1:A:120:ILE:HG23	0.45	2.36	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:83:LYS:HG3	1:A:237:LEU:HD22	0.45	1.89	7	1
1:A:16:GLN:HE22	1:A:35:LEU:HD12	0.45	1.71	15	2
1:A:108:LEU:HD23	1:A:188:PHE:HB3	0.45	1.88	8	1
1:A:58:VAL:O	1:A:61:ILE:CG1	0.44	2.64	8	1
1:A:154:ASN:C	1:A:155:THR:HG1	0.44	2.20	10	1
1:A:84:TRP:NE1	1:A:199:SER:O	0.44	2.50	18	2
1:A:120:ILE:C	1:A:122:LEU:H	0.44	2.21	10	7
1:A:115:MET:HE1	1:A:224:PHE:O	0.44	2.13	3	1
1:A:43:GLN:HG3	1:A:51:THR:HG22	0.44	1.88	9	2
1:A:88:VAL:HG23	1:A:123:HIS:HD2	0.44	1.72	11	1
1:A:154:ASN:O	1:A:155:THR:CB	0.44	2.66	13	5
1:A:198:HIS:ND1	1:A:212:MET:HE3	0.44	2.27	3	2
1:A:156:LEU:O	1:A:173:ASP:CB	0.44	2.66	8	1
1:A:94:VAL:HG22	1:A:135:MET:CE	0.44	2.43	12	1
1:A:68:GLY:HA3	1:A:155:THR:HG22	0.44	1.90	4	1
1:A:91:TYR:O	1:A:127:VAL:CG2	0.44	2.66	19	2
1:A:69:VAL:HG22	1:A:70:PRO:HD2	0.44	1.88	13	1
1:A:193:THR:HG21	1:A:211:VAL:CG2	0.43	2.40	5	1
1:A:58:VAL:O	1:A:61:ILE:HG13	0.43	2.12	20	2
1:A:35:LEU:HD23	1:A:36:GLU:N	0.43	2.28	19	1
1:A:237:LEU:HD23	1:A:237:LEU:C	0.43	2.38	14	6
1:A:120:ILE:HG21	1:A:234:ILE:CD1	0.43	2.44	7	1
1:A:16:GLN:CD	1:A:35:LEU:HD21	0.43	2.37	4	1
1:A:207:ASP:O	1:A:213:TYR:CD1	0.43	2.71	10	2
1:A:166:LEU:N	1:A:166:LEU:HD13	0.43	2.29	11	2
1:A:42:MET:HE2	1:A:58:VAL:HG13	0.43	1.91	17	1
1:A:107:ARG:HG3	1:A:108:LEU:N	0.43	2.29	17	6
1:A:192:ALA:O	1:A:196:LEU:CD2	0.43	2.65	16	2
1:A:237:LEU:C	1:A:237:LEU:HD23	0.43	2.38	8	4
1:A:39:LEU:HD11	1:A:54:LEU:CD2	0.43	2.43	19	1
1:A:94:VAL:HG22	1:A:135:MET:HE2	0.43	1.91	12	1
1:A:138:PHE:O	1:A:139:ALA:CB	0.42	2.67	4	3
1:A:68:GLY:CA	1:A:155:THR:HG22	0.42	2.45	10	1
1:A:116:TRP:CZ3	1:A:202:MET:SD	0.42	3.12	20	2
1:A:146:SER:O	1:A:147:TYR:CD1	0.42	2.73	13	2
1:A:48:LEU:HD12	1:A:50:ILE:O	0.42	2.14	16	3
1:A:234:ILE:CG1	1:A:238:TYR:CD1	0.42	3.03	15	1
1:A:179:THR:HG21	1:A:182:SER:OG	0.42	2.15	6	1
1:A:50:ILE:O	1:A:50:ILE:HD12	0.42	2.14	17	1
1:A:205:SER:OG	1:A:210:ALA:HB1	0.42	2.13	13	2
1:A:16:GLN:HG3	1:A:17:ASP:N	0.42	2.29	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:20:LYS:C	1:A:20:LYS:HD3	0.42	2.39	6	1
1:A:227:SER:O	1:A:231:ILE:HD12	0.42	2.14	18	2
1:A:150:ASP:OD1	1:A:150:ASP:C	0.42	2.62	17	2
1:A:35:LEU:HD21	1:A:39:LEU:HD22	0.42	1.92	7	1
1:A:179:THR:HG21	1:A:182:SER:HB3	0.42	1.91	13	2
1:A:122:LEU:HD11	1:A:238:TYR:CE2	0.42	2.50	15	2
1:A:46:PHE:CD1	1:A:61:ILE:HD12	0.42	2.49	17	1
1:A:189:LEU:HD12	1:A:224:PHE:CE2	0.41	2.51	12	1
1:A:108:LEU:HD12	1:A:108:LEU:HA	0.41	1.76	18	2
1:A:91:TYR:CD1	1:A:91:TYR:N	0.41	2.88	12	1
1:A:45:PHE:CD1	1:A:45:PHE:C	0.41	2.99	6	1
1:A:166:LEU:N	1:A:166:LEU:CD1	0.41	2.83	13	2
1:A:134:ILE:HG22	1:A:136:ILE:HD11	0.41	1.92	18	1
1:A:94:VAL:CG2	1:A:135:MET:HB3	0.41	2.45	3	1
1:A:43:GLN:CG	1:A:51:THR:HG22	0.41	2.45	9	1
1:A:93:ILE:HD11	1:A:109:VAL:HG11	0.41	1.92	8	1
1:A:19:LEU:HD13	1:A:38:LYS:CG	0.41	2.46	18	1
1:A:17:ASP:O	1:A:20:LYS:HG3	0.41	2.15	6	1
1:A:215:THR:O	1:A:216:TYR:C	0.41	2.64	7	1
1:A:91:TYR:O	1:A:127:VAL:HG21	0.41	2.16	6	2
1:A:156:LEU:HD13	1:A:176:GLU:CD	0.41	2.41	3	1
1:A:237:LEU:HD23	1:A:237:LEU:O	0.41	2.16	15	2
1:A:53:MET:HE1	1:A:56:SER:HB2	0.41	1.93	15	1
1:A:120:ILE:HD12	1:A:122:LEU:CD1	0.41	2.37	2	1
1:A:20:LYS:HG2	1:A:21:ARG:N	0.41	2.31	14	1
1:A:94:VAL:HG21	1:A:135:MET:HB3	0.40	1.93	6	1
1:A:91:TYR:N	1:A:91:TYR:CD1	0.40	2.89	9	1
1:A:43:GLN:HB3	1:A:51:THR:HG22	0.40	1.92	11	1
1:A:126:LYS:HE3	1:A:128:VAL:HG13	0.40	1.92	13	1
1:A:68:GLY:HA3	1:A:155:THR:HG23	0.40	1.90	8	1
1:A:166:LEU:HD23	1:A:166:LEU:C	0.40	2.40	17	1
1:A:101:PRO:HB2	1:A:103:ILE:HG22	0.40	1.93	19	1
1:A:197:GLY:C	1:A:212:MET:HE1	0.40	2.41	5	1
1:A:16:GLN:OE1	1:A:35:LEU:HD12	0.40	2.15	8	1
1:A:113:LEU:HD21	1:A:124:PHE:CE2	0.40	2.51	11	1
1:A:84:TRP:CD1	1:A:162:PRO:HG3	0.40	2.51	15	1
1:A:103:ILE:HG23	1:A:104:THR:N	0.40	2.32	10	2
1:A:12:TRP:CE2	1:A:54:LEU:HD23	0.40	2.52	10	1
1:A:19:LEU:HG	1:A:62:MET:HE2	0.40	1.92	11	1
1:A:110:SER:O	1:A:114:ASN:CB	0.40	2.69	10	1
1:A:227:SER:O	1:A:231:ILE:HG12	0.40	2.17	14	1

6.3 Torsion angles

6.3.1 Protein backbone

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the backbone conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	201/250 (80%)	173±2 (86±1%)	22±2 (11±1%)	6±2 (3±1%)	5	39
All	All	4020/5000 (80%)	3462 (86%)	440 (11%)	118 (3%)	5	39

All 19 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	55	ASN	20
1	A	147	TYR	20
1	A	224	PHE	18
1	A	122	LEU	15
1	A	151	GLY	7
1	A	50	ILE	6
1	A	154	ASN	6
1	A	144	GLY	4
1	A	139	ALA	4
1	A	128	VAL	3
1	A	164	THR	3
1	A	56	SER	2
1	A	216	TYR	2
1	A	155	THR	2
1	A	165	GLY	2
1	A	54	LEU	1
1	A	66	ARG	1
1	A	82	PRO	1
1	A	202	MET	1

6.3.2 Protein sidechains

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all PDB entries followed by that with respect to all NMR entries. The Analysed column shows the number of residues for which the sidechain conformation was analysed and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	166/208 (80%)	113±3 (68±2%)	53±3 (32±2%)	1	13
All	All	3320/4160 (80%)	2252 (68%)	1068 (32%)	1	13

All 110 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	69	VAL	20
1	A	88	VAL	20
1	A	108	LEU	20
1	A	109	VAL	20
1	A	111	LYS	20
1	A	115	MET	20
1	A	126	LYS	20
1	A	128	VAL	20
1	A	129	TRP	20
1	A	136	ILE	20
1	A	156	LEU	20
1	A	189	LEU	20
1	A	211	VAL	20
1	A	225	LYS	20
1	A	236	LYS	20
1	A	48	LEU	19
1	A	50	ILE	19
1	A	125	ARG	19
1	A	113	LEU	18
1	A	182	SER	18
1	A	200	LEU	18
1	A	205	SER	18
1	A	224	PHE	18
1	A	36	GLU	17
1	A	207	ASP	17
1	A	193	THR	17
1	A	131	THR	16
1	A	199	SER	15
1	A	155	THR	15
1	A	215	THR	15
1	A	16	GLN	14
1	A	67	CYS	14
1	A	72	VAL	14
1	A	174	GLU	14
1	A	59	ILE	13
1	A	150	ASP	13

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Mol	Chain	Res	Type	Models (Total)
1	A	86	SER	13
1	A	164	THR	12
1	A	38	LYS	12
1	A	100	LEU	11
1	A	147	TYR	11
1	A	64	LYS	11
1	A	87	LYS	10
1	A	61	ILE	10
1	A	39	LEU	9
1	A	85	THR	9
1	A	180	ASP	9
1	A	97	THR	9
1	A	232	LYS	9
1	A	235	GLN	9
1	A	184	LEU	9
1	A	71	ASP	9
1	A	99	ASP	8
1	A	35	LEU	8
1	A	60	GLU	8
1	A	118	LYS	8
1	A	119	GLU	8
1	A	145	ASP	8
1	A	212	MET	8
1	A	21	ARG	7
1	A	146	SER	7
1	A	166	LEU	7
1	A	226	LEU	7
1	A	53	MET	7
1	A	55	ASN	7
1	A	20	LYS	6
1	A	187	ASN	6
1	A	206	SER	6
1	A	17	ASP	6
1	A	40	LYS	6
1	A	66	ARG	6
1	A	98	ARG	6
1	A	107	ARG	6
1	A	202	MET	6
1	A	90	THR	5
1	A	230	ASP	5
1	A	14	GLN	5
1	A	227	SER	5

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Mol	Chain	Res	Type	Models (Total)
1	A	95	SER	5
1	A	213	TYR	5
1	A	83	LYS	5
1	A	62	MET	4
1	A	103	ILE	4
1	A	19	LEU	4
1	A	57	ARG	4
1	A	42	MET	4
1	A	106	ASP	4
1	A	229	ASP	4
1	A	154	ASN	4
1	A	51	THR	3
1	A	41	GLU	3
1	A	92	ARG	3
1	A	135	MET	3
1	A	140	ARG	3
1	A	44	LYS	3
1	A	228	GLN	3
1	A	133	ASP	3
1	A	175	ASP	2
1	A	190	TYR	2
1	A	176	GLU	2
1	A	18	TYR	2
1	A	177	ARG	2
1	A	22	PHE	2
1	A	237	LEU	2
1	A	149	PHE	2
1	A	120	ILE	2
1	A	209	ASN	1
1	A	234	ILE	1
1	A	134	ILE	1
1	A	13	GLU	1

6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

6.4 Non-standard residues in protein, DNA, RNA chains ⓘ

There are no non-standard protein/DNA/RNA residues in this entry.

6.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.6 Ligand geometry [i](#)

Of 4 ligands modelled in this entry, 4 are monoatomic - leaving 0 for Mogul analysis.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 84% for the well-defined parts and 79% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

The following table shows the results of parsing the chemical shift list and reports the number of nuclei with statistically unusual chemical shifts.

Total number of shifts	2659
Number of shifts mapped to atoms	2658
Number of unparsed shifts	0
Number of shifts with mapping errors	1
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	12

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 1 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	195	ALA	HB1	1.306	.	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	236	-0.28 ± 0.13	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	212	0.26 ± 0.12	None needed (< 0.5 ppm)
$^{13}\text{C}'$	231	0.04 ± 0.12	None needed (< 0.5 ppm)
^{15}N	218	-0.18 ± 0.38	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 84%, i.e. 2298 atoms were assigned a chemical shift out of a possible 2729. 0 out of 28 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	971/1004 (97%)	394/412 (96%)	392/402 (98%)	185/190 (97%)
Sidechain	1149/1428 (80%)	789/933 (85%)	352/444 (79%)	8/51 (16%)
Aromatic	178/297 (60%)	91/148 (61%)	82/136 (60%)	5/13 (38%)
Overall	2298/2729 (84%)	1274/1493 (85%)	826/982 (84%)	198/254 (78%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 79%, i.e. 2659 atoms were assigned a chemical shift out of a possible 3353. 0 out of 33 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹H	¹³C	¹⁵N
Backbone	1154/1245 (93%)	469/510 (92%)	467/500 (93%)	218/235 (93%)
Sidechain	1303/1783 (73%)	889/1158 (77%)	405/555 (73%)	9/70 (13%)
Aromatic	202/325 (62%)	103/161 (64%)	94/151 (62%)	5/13 (38%)
Overall	2659/3353 (79%)	1461/1829 (80%)	966/1206 (80%)	232/318 (73%)

7.1.4 Statistically unusual chemical shifts [i](#)

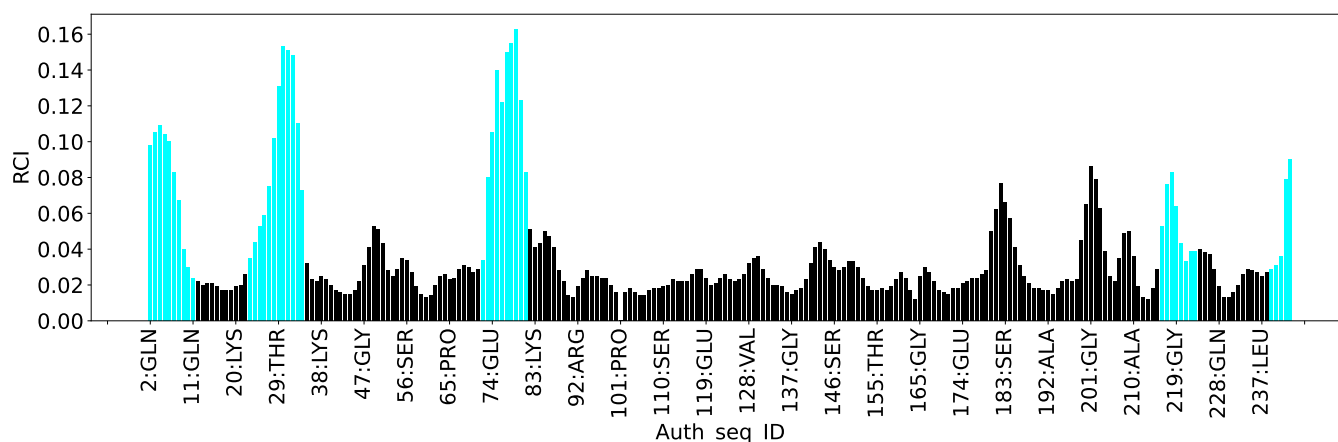
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	107	ARG	NE	119.85	76.53 – 92.65	21.9
1	A	92	ARG	NE	117.04	76.53 – 92.65	20.1
1	A	60	GLU	HB2	0.60	1.00 – 3.05	-6.9
1	A	162	PRO	HB3	-0.32	0.25 – 3.76	-6.6
1	A	22	PHE	CE2	122.89	124.80 – 136.72	-6.6
1	A	60	GLU	HB3	0.64	0.95 – 3.05	-6.5
1	A	65	PRO	HA	2.44	2.78 – 6.00	-6.1
1	A	22	PHE	CE1	122.89	124.17 – 137.29	-6.0
1	A	62	MET	HG3	0.38	0.54 – 4.26	-5.4
1	A	144	GLY	H	5.17	5.23 – 11.42	-5.1
1	A	211	VAL	H	11.59	4.98 – 11.56	5.0
1	A	153	GLY	H	11.43	5.23 – 11.42	5.0

7.1.5 Random Coil Index (RCI) plots [i](#)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

The following table provides the summary of experimentally observed NMR restraints in different categories. Restraints are classified into different categories based on the sequence separation of the atoms involved.

Description	Value
Total distance restraints	2528
Intra-residue ($ i-j =0$)	685
Sequential ($ i-j =1$)	684
Medium range ($ i-j >1$ and $ i-j <5$)	383
Long range ($ i-j \geq 5$)	728
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	357
Number of unmapped restraints	0
Number of restraints per residue	11.4
Number of long range restraints per residue ¹	2.9

¹Long range hydrogen bonds and disulfide bonds are counted as long range restraints while calculating the number of long range restraints per residue

8.2 Residual restraint violations

This section provides the overview of the restraint violations analysis. The violations are binned as small, medium and large violations based on its absolute value. Average number of violations per model is calculated by dividing the total number of violations in each bin by the size of the ensemble.

8.2.1 Average number of distance violations per model

Distance violations less than 0.1 Å are not included in the calculation.

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	118.5	0.2
0.2-0.5 (Medium)	355.0	0.5
>0.5 (Large)	1455.5	3.27

8.2.2 Average number of dihedral-angle violations per model [i](#)

Dihedral-angle violations less than 1° are not included in the calculation.

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	31.1	6.87
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis ⓘ

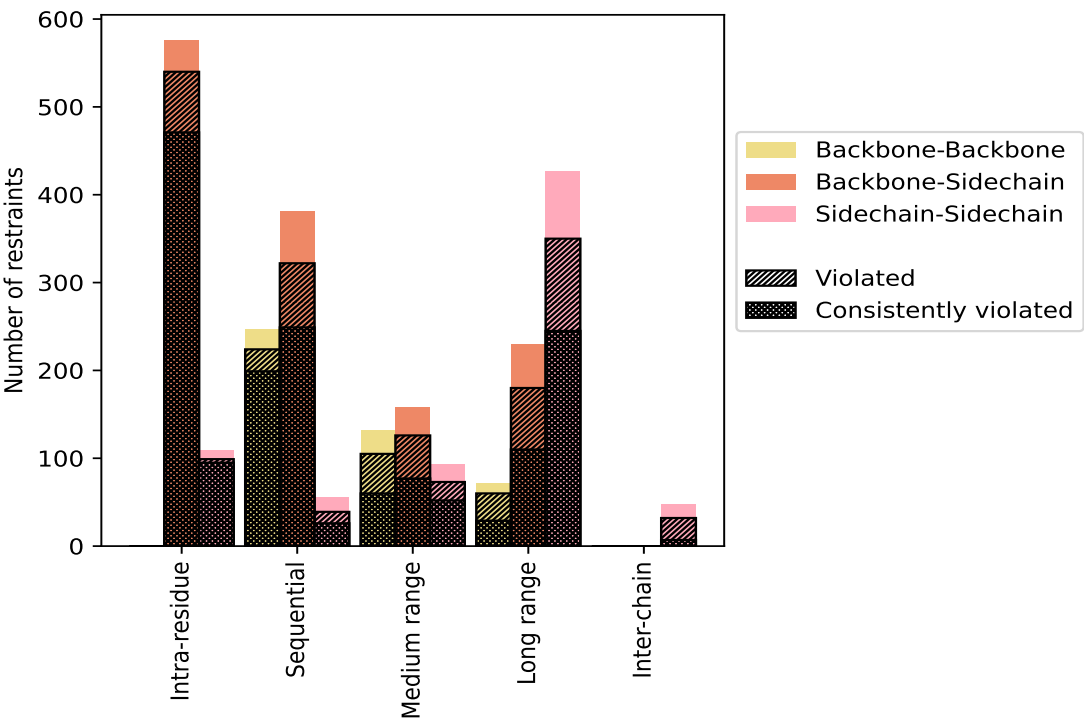
9.1 Summary of distance violations ⓘ

The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue (i-j =0)	685	27.1	639	93.3	25.3	566	82.6	22.4
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	576	22.8	540	93.8	21.4	471	81.8	18.6
Sidechain-Sidechain	109	4.3	99	90.8	3.9	95	87.2	3.8
Sequential (i-j =1)	684	27.1	585	85.5	23.1	474	69.3	18.8
Backbone-Backbone	247	9.8	224	90.7	8.9	199	80.6	7.9
Backbone-Sidechain	381	15.1	322	84.5	12.7	249	65.4	9.8
Sidechain-Sidechain	56	2.2	39	69.6	1.5	26	46.4	1.0
Medium range (i-j >1 & i-j <5)	383	15.2	304	79.4	12.0	189	49.3	7.5
Backbone-Backbone	132	5.2	105	79.5	4.2	60	45.5	2.4
Backbone-Sidechain	158	6.2	126	79.7	5.0	77	48.7	3.0
Sidechain-Sidechain	93	3.7	73	78.5	2.9	52	55.9	2.1
Long range (i-j ≥5)	728	28.8	590	81.0	23.3	384	52.7	15.2
Backbone-Backbone	71	2.8	60	84.5	2.4	29	40.8	1.1
Backbone-Sidechain	230	9.1	180	78.3	7.1	110	47.8	4.4
Sidechain-Sidechain	427	16.9	350	82.0	13.8	245	57.4	9.7
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2528	100.0	2150	85.0	85.0	1620	64.1	64.1
Backbone-Backbone	450	17.8	389	86.4	15.4	288	64.0	11.4
Backbone-Sidechain	1345	53.2	1168	86.8	46.2	907	67.4	35.9
Sidechain-Sidechain	733	29.0	593	80.9	23.5	425	58.0	16.8

¹ percentage calculated with respect to the total number of distance restraints, ² percentage calculated with respect to the number of restraints in a particular restraint category, ³ violated in at least one model, ⁴ violated in all the models

9.1.1 Bar chart : Distribution of distance restraints and violations [i](#)



Violated and consistently violated restraints are shown using different hatch patterns in their respective categories. The hydrogen bonds and disulfied bonds are counted in their appropriate category on the x-axis

9.2 Distance violation statistics for each model [i](#)

The following table provides the distance violation statistics for each model in the ensemble. Violations less than 0.1 Å are not included in the statistics.

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	603	546	258	514	23	1944	1.07	3.27	0.65	1.02
2	615	535	252	505	23	1930	1.07	3.26	0.65	1.0
3	614	543	250	506	22	1935	1.06	3.27	0.65	1.0
4	611	539	260	502	21	1933	1.06	3.22	0.64	0.99
5	609	536	256	510	23	1934	1.07	3.27	0.65	1.01
6	614	544	258	503	23	1942	1.06	3.22	0.65	0.98
7	612	547	260	501	22	1942	1.06	3.25	0.65	1.0
8	608	546	258	504	23	1939	1.06	3.16	0.65	0.99
9	614	549	258	496	27	1944	1.05	3.22	0.66	0.97
10	613	543	259	499	21	1935	1.06	3.22	0.65	0.99

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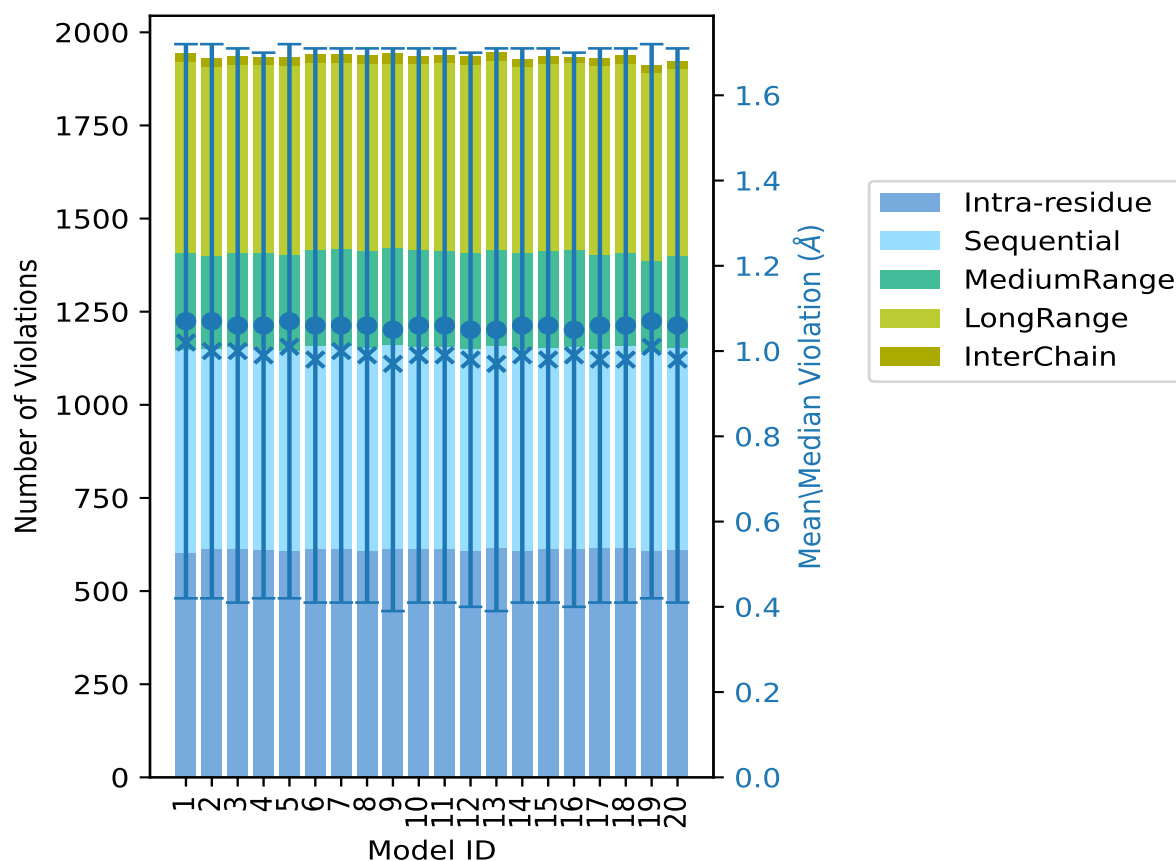
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	613	544	256	506	20	1939	1.06	3.27	0.65	0.99
12	608	543	259	502	23	1935	1.05	3.25	0.65	0.98
13	616	543	256	509	23	1947	1.05	3.25	0.66	0.97
14	609	543	256	499	21	1928	1.06	3.26	0.65	0.99
15	614	541	258	503	21	1937	1.06	3.2	0.65	0.98
16	613	543	260	503	14	1933	1.05	3.26	0.65	0.99
17	616	535	251	507	20	1929	1.06	3.21	0.65	0.98
18	617	542	250	506	23	1938	1.06	3.26	0.65	0.98
19	608	535	243	505	20	1911	1.07	3.27	0.65	1.01
20	612	541	248	501	19	1921	1.06	3.23	0.65	0.98

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶Standard deviation

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

9.3 Distance violation statistics for the ensemble

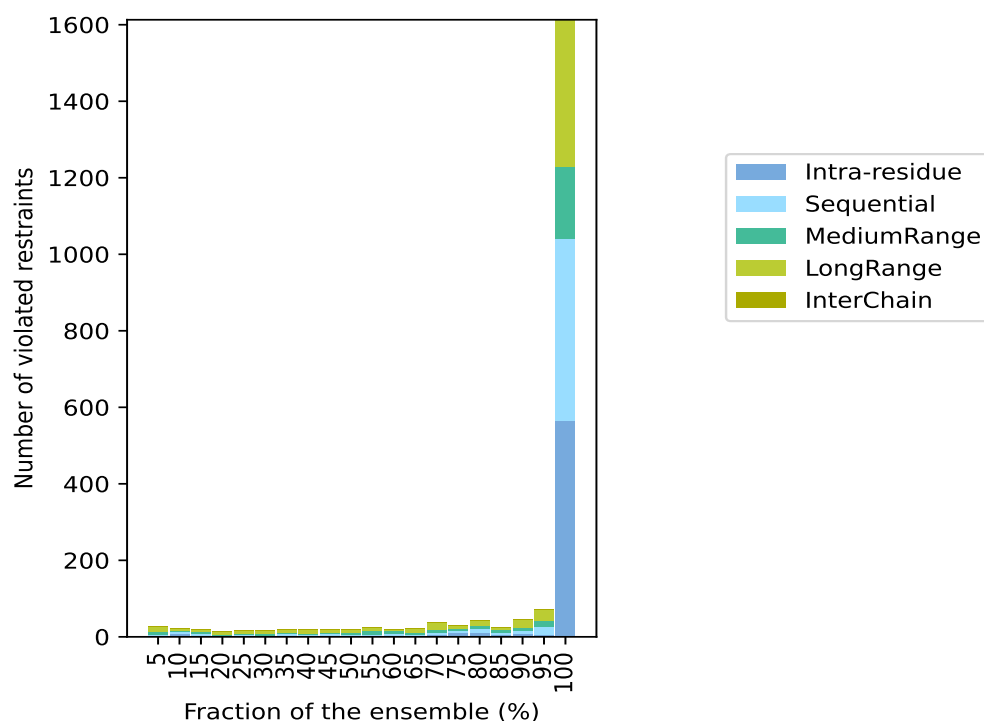
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 362(IR:46, SQ:99, MR:79, LR:138, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
2	4	7	15	0	28	1	5.0
7	5	5	4	0	21	2	10.0
1	7	4	7	0	19	3	15.0
2	0	4	9	0	15	4	20.0
0	4	5	8	0	17	5	25.0
0	4	3	9	0	16	6	30.0
3	4	4	8	0	19	7	35.0
3	3	3	9	0	18	8	40.0
3	5	4	6	0	18	9	45.0
0	5	6	7	0	18	10	50.0
3	4	8	9	0	24	11	55.0
2	6	7	5	0	20	12	60.0
3	4	3	11	0	21	13	65.0
4	7	7	19	0	37	14	70.0
10	5	6	9	0	30	15	75.0
11	9	9	14	0	43	16	80.0
6	4	8	7	0	25	17	85.0
7	10	7	21	0	45	18	90.0
6	21	15	29	0	71	19	95.0
566	474	189	384	0	1613	20	100.0

¹Intra-residue restraints, ²Sequential restraints, ³Medium range restraints, ⁴Long range restraints,

⁵Inter-chain restraints, ⁶ Number of models with violations

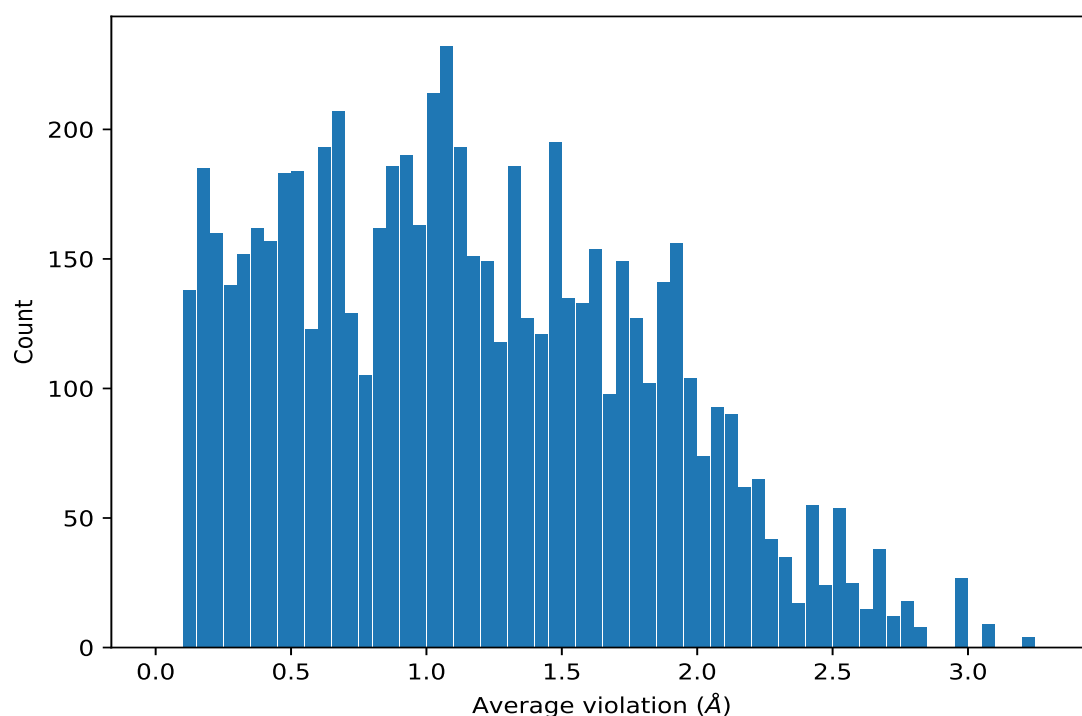
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



9.4 Most violated distance restraints in the ensemble [i](#)

9.4.1 Histogram : Distribution of mean distance violations [i](#)

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models in the ensemble



9.4.2 Table: Most violated distance restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	20	3.24	0.03	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	20	3.24	0.03	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	20	3.24	0.03	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	20	3.24	0.03	3.25
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	20	3.05	0.03	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	20	3.05	0.03	3.06
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.98	0.08	2.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.98	0.08	2.98
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	20	2.98	0.03	2.98
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	20	2.98	0.03	2.98
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	20	2.98	0.03	2.98
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	20	2.83	0.07	2.85
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	20	2.83	0.07	2.85
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	20	2.83	0.07	2.85
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	2.83	0.03	2.82
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	2.82	0.31	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	2.82	0.31	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	2.82	0.31	2.96
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	20	2.81	0.04	2.81
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	20	2.77	0.01	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	20	2.77	0.01	2.77
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	20	2.77	0.31	2.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	20	2.77	0.31	2.9
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	20	2.77	0.31	2.9
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	20	2.73	0.13	2.74
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	20	2.73	0.13	2.74
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	20	2.73	0.13	2.74
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	20	2.7	0.51	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	20	2.7	0.51	2.97
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	20	2.69	0.02	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	20	2.69	0.02	2.69
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	20	2.68	0.37	2.84
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	20	2.68	0.37	2.84
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	20	2.68	0.14	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	20	2.68	0.14	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	20	2.68	0.14	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	20	2.68	0.14	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	20	2.68	0.14	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	20	2.68	0.14	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	20	2.66	0.11	2.68
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	20	2.66	0.11	2.68
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	20	2.66	0.11	2.68
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	20	2.66	0.11	2.68
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	20	2.66	0.11	2.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	20	2.66	0.11	2.68
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	20	2.66	0.24	2.72
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	20	2.66	0.24	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	20	2.66	0.24	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	20	2.66	0.24	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	20	2.66	0.24	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	20	2.66	0.24	2.72
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	20	2.65	0.33	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	20	2.65	0.33	2.73
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	20	2.63	0.08	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	20	2.63	0.08	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	20	2.63	0.08	2.64
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	20	2.63	0.02	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	20	2.63	0.02	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	20	2.63	0.02	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	20	2.61	0.02	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	20	2.61	0.02	2.62
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	20	2.58	0.26	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	20	2.58	0.26	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	20	2.58	0.26	2.66
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	20	2.58	0.33	2.64
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	20	2.58	0.33	2.64

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	20	2.58	0.33	2.64
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	20	2.57	0.02	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	20	2.57	0.02	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	20	2.57	0.02	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	20	2.56	0.01	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	20	2.56	0.01	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	20	2.56	0.01	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	20	2.56	0.02	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	20	2.56	0.02	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	20	2.56	0.02	2.55
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	2.55	0.1	2.55
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	20	2.53	0.05	2.52
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	20	2.53	0.05	2.52
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	20	2.53	0.05	2.52
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	20	2.53	0.05	2.52
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	20	2.53	0.05	2.52
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	20	2.53	0.05	2.52
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	20	2.53	0.08	2.52
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	20	2.53	0.08	2.52
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	20	2.53	0.08	2.52
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	2.52	0.52	2.74
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	2.52	0.52	2.74
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	2.52	0.52	2.74
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.52	0.08	2.54
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.52	0.08	2.54
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.52	0.08	2.54
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	20	2.51	0.47	2.69
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	20	2.51	0.47	2.69
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	20	2.51	0.47	2.69
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	20	2.51	0.02	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	20	2.51	0.02	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	20	2.51	0.02	2.51
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.51	0.08	2.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.51	0.08	2.51
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.51	0.08	2.51
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	20	2.5	0.61	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	20	2.5	0.61	2.67
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	20	2.49	0.07	2.48
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	20	2.49	0.07	2.48
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	20	2.49	0.07	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	20	2.49	0.01	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	20	2.49	0.01	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	20	2.49	0.01	2.49
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	20	2.47	0.39	2.6
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	20	2.47	0.39	2.6
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	20	2.47	0.39	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	20	2.47	0.32	2.54
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	20	2.47	0.32	2.54
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	20	2.47	0.17	2.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	20	2.47	0.17	2.5
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	20	2.47	0.17	2.5
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	20	2.46	0.26	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	20	2.46	0.26	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	20	2.46	0.26	2.52
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	20	2.44	0.22	2.5
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	20	2.44	0.22	2.5
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	2.44	0.22	2.5
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	20	2.44	0.01	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	20	2.44	0.01	2.44
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	20	2.43	0.13	2.47
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	20	2.43	0.13	2.47
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	20	2.41	0.06	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	20	2.41	0.06	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	20	2.41	0.06	2.41
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	20	2.41	0.38	2.58
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	20	2.41	0.38	2.58
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	20	2.41	0.38	2.58
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	20	2.41	0.38	2.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	20	2.41	0.38	2.58
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	20	2.41	0.38	2.58
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	20	2.41	0.07	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	20	2.41	0.07	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	20	2.41	0.07	2.45
(1,984)	1:85:A:THR:H	1:86:A:SER:H	20	2.4	0.08	2.38
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	20	2.4	0.09	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	20	2.39	0.05	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	20	2.39	0.05	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	20	2.39	0.05	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	20	2.39	0.05	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	20	2.39	0.05	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	20	2.39	0.05	2.4
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	20	2.38	0.06	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	20	2.38	0.06	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	20	2.38	0.06	2.38
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	20	2.38	0.22	2.42
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	20	2.38	0.22	2.42
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	20	2.38	0.22	2.42
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	20	2.37	0.36	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	20	2.37	0.36	2.58
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	20	2.36	0.05	2.38
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	20	2.36	0.05	2.38
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	20	2.36	0.05	2.38
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	20	2.34	0.04	2.35
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	20	2.34	0.04	2.35
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	20	2.34	0.06	2.34
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	20	2.34	0.06	2.34
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	20	2.34	0.06	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	20	2.34	0.06	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	20	2.34	0.06	2.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	20	2.34	0.06	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	20	2.33	0.01	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	20	2.33	0.01	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	20	2.33	0.01	2.33
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	20	2.32	0.47	2.5
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	20	2.32	0.03	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	20	2.32	0.03	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	20	2.32	0.03	2.32
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	20	2.32	0.21	2.32
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	20	2.32	0.21	2.32
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	20	2.32	0.21	2.32
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	20	2.3	0.36	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	20	2.3	0.36	2.45
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	20	2.3	0.05	2.31
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	20	2.3	0.05	2.31
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	20	2.3	0.05	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	20	2.29	0.05	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	20	2.29	0.05	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	20	2.29	0.05	2.3
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	20	2.29	0.05	2.28
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	20	2.29	0.05	2.28
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	2.27	0.16	2.31
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	2.27	0.16	2.31

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	2.27	0.16	2.31
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.27	0.16	2.31
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.27	0.16	2.31
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.27	0.16	2.31
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.27	0.22	2.36
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.27	0.22	2.36
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	20	2.27	0.46	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	20	2.27	0.46	2.17
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	2.26	0.12	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	2.26	0.12	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	2.26	0.12	2.22
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	2.25	0.52	2.47
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	2.25	0.52	2.47
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	2.25	0.52	2.47
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	20	2.24	0.1	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	20	2.24	0.1	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	20	2.24	0.1	2.26
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	20	2.24	0.16	2.28

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	20	2.24	0.16	2.28
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	20	2.24	0.16	2.28
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	20	2.24	0.16	2.22
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	20	2.24	0.16	2.22
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	20	2.24	0.16	2.22
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	20	2.24	0.48	2.28
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	20	2.24	0.48	2.28
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	20	2.24	0.48	2.28
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	20	2.23	0.23	2.33
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	20	2.23	0.23	2.33
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	20	2.23	0.23	2.33
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	20	2.23	0.01	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	20	2.23	0.01	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	20	2.23	0.01	2.23
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	20	2.23	0.16	2.21
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	20	2.23	0.16	2.21
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	20	2.23	0.16	2.21
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	20	2.23	0.12	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	20	2.21	0.09	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	20	2.21	0.09	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	20	2.21	0.09	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	20	2.21	0.09	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	20	2.21	0.09	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	20	2.21	0.09	2.23
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	20	2.21	1.05	2.84
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	20	2.21	1.05	2.84
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	20	2.21	0.15	2.32
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	20	2.21	0.08	2.22
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	20	2.2	0.04	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	20	2.2	0.04	2.2
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	20	2.2	0.61	2.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	20	2.2	0.61	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	20	2.2	0.61	2.37
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	20	2.2	0.12	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	20	2.2	0.12	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	20	2.2	0.12	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	20	2.2	0.12	2.23
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	20	2.2	0.26	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	20	2.2	0.26	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	20	2.2	0.26	2.27
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	20	2.19	0.14	2.24
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	20	2.19	0.14	2.24
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	20	2.19	0.12	2.18
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	20	2.19	0.12	2.18
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	20	2.19	0.12	2.18
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	20	2.19	0.12	2.18
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	20	2.19	0.12	2.18
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	20	2.19	0.12	2.18
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	20	2.19	0.31	2.16
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	20	2.19	0.31	2.16
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	20	2.19	0.31	2.16
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	20	2.19	0.31	2.16
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	20	2.18	0.45	2.33
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	20	2.18	0.45	2.33
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	20	2.18	0.45	2.33
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	20	2.18	0.03	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	20	2.18	0.03	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	20	2.18	0.02	2.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.18	0.02	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.18	0.02	2.18
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	20	2.16	0.09	2.18
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	20	2.16	0.09	2.18
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	20	2.16	0.09	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	20	2.16	0.07	2.17
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	20	2.16	0.07	2.17
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	20	2.16	0.07	2.17
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	20	2.16	0.24	2.13
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	20	2.16	0.24	2.13
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	20	2.16	0.25	2.28
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	20	2.16	0.25	2.28
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	20	2.15	0.08	2.16
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	20	2.15	0.08	2.16
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	20	2.14	0.42	2.36
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	20	2.14	0.42	2.36
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	20	2.14	0.03	2.14
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	20	2.14	0.17	2.2
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	20	2.14	0.17	2.2
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	20	2.14	0.17	2.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	20	2.14	0.17	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	20	2.14	0.17	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	20	2.14	0.17	2.2
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	20	2.14	0.17	2.1
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	20	2.14	0.17	2.1
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	20	2.13	0.11	2.13
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	20	2.13	0.11	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	20	2.13	0.11	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	20	2.13	0.11	2.13
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	20	2.13	0.08	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	20	2.13	0.08	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	20	2.13	0.08	2.18
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	20	2.13	0.21	2.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	20	2.13	0.21	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	20	2.13	0.21	2.13
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	20	2.12	0.04	2.12
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	20	2.12	0.04	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	20	2.12	0.05	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	20	2.12	0.05	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	20	2.12	0.05	2.12
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	20	2.11	0.03	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	20	2.11	0.03	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	20	2.11	0.03	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	20	2.11	0.05	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	20	2.11	0.05	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	20	2.11	0.05	2.1
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	20	2.11	0.27	2.13
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	20	2.11	0.27	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	20	2.11	0.09	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	20	2.11	0.09	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	20	2.11	0.09	2.13
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	20	2.1	0.13	2.08
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	20	2.1	0.13	2.08
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	20	2.1	0.13	2.08
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	20	2.1	0.08	2.11
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	20	2.1	0.08	2.11
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	20	2.1	0.08	2.11
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	20	2.09	0.08	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	20	2.09	0.08	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	20	2.09	0.08	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	20	2.09	0.08	2.09
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	20	2.09	0.22	2.16
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	20	2.09	0.22	2.16
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	2.09	0.22	2.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	20	2.09	0.36	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	20	2.09	0.36	2.2
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	2.09	0.02	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	2.09	0.02	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	20	2.08	0.04	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	20	2.08	0.04	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	20	2.08	0.04	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	20	2.08	0.04	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	20	2.08	0.04	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	20	2.08	0.04	2.08
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	20	2.08	0.05	2.07
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	20	2.08	0.7	1.78
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	20	2.08	0.7	1.78
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	20	2.08	0.7	1.78
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	20	2.08	0.7	1.78
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	20	2.08	0.7	1.78
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	20	2.08	0.7	1.78
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	20	2.08	0.06	2.09
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	20	2.08	0.06	2.09
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	20	2.08	0.06	2.09
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	20	2.08	0.91	2.5
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	20	2.08	0.91	2.5
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	20	2.08	0.91	2.5
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	20	2.08	0.91	2.5
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	20	2.08	0.91	2.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	20	2.08	0.91	2.5
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	20	2.07	0.55	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	20	2.07	0.55	2.42
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	20	2.06	0.46	2.1
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	20	2.06	0.46	2.1
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	20	2.06	0.46	2.1
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	20	2.06	0.46	2.1
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	20	2.06	0.46	2.1
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	20	2.06	0.46	2.1
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	20	2.06	0.02	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	20	2.06	0.02	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	20	2.06	0.02	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	20	2.06	0.02	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	20	2.06	0.02	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	20	2.06	0.02	2.05
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	20	2.06	0.17	2.1
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	20	2.06	0.17	2.1
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	20	2.06	0.08	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	20	2.06	0.08	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	20	2.06	0.08	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	20	2.06	0.08	2.08
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	20	2.05	0.05	2.04
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	2.05	0.03	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	2.05	0.03	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	2.05	0.03	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	2.05	0.03	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	2.05	0.03	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	2.05	0.03	2.05
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	20	2.05	0.08	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	20	2.05	0.08	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	20	2.05	0.08	2.09
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	20	2.05	0.56	1.7
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	20	2.05	0.56	1.7
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	20	2.05	0.56	1.7
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	20	2.05	0.56	1.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	20	2.05	0.56	1.7
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	20	2.05	0.56	1.7
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	20	2.04	0.56	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	20	2.04	0.56	2.38
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	20	2.04	0.21	2.03
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	20	2.04	0.21	2.03
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	20	2.04	0.21	2.03
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	20	2.04	0.23	2.05
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	20	2.04	0.23	2.05
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	20	2.04	0.17	2.03
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	20	2.03	0.03	2.04
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	20	2.03	0.04	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	20	2.03	0.04	2.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	2.02	0.06	2.06
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	2.02	0.06	2.06
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	20	2.02	0.08	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	20	2.02	0.08	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	20	2.02	0.08	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	20	2.02	0.08	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	20	2.02	0.08	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	20	2.02	0.08	2.04
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	20	2.02	0.1	2.04
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	20	2.02	0.1	2.04
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	20	2.02	0.1	2.04
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	20	2.02	0.1	2.04
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	20	2.02	0.1	2.04
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	20	2.02	0.1	2.04
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	20	2.02	0.09	2.02
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	20	2.02	0.09	2.02
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	20	2.01	0.19	1.96
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	20	2.01	0.02	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	20	2.01	0.07	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	20	2.01	0.07	2.01
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	20	1.99	0.08	2.04
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	20	1.99	0.08	2.04
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	20	1.99	0.17	2.04
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	20	1.99	0.17	2.04
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	20	1.99	0.08	1.98
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	20	1.99	0.08	1.98
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	20	1.99	0.08	1.98
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	20	1.99	0.1	2.0

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	20	1.99	0.1	2.0
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	20	1.99	0.1	2.0
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	20	1.98	0.02	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	20	1.98	0.02	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	20	1.98	0.02	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	20	1.98	0.02	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	20	1.98	0.02	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	20	1.98	0.02	1.98
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	20	1.98	0.16	1.96
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	20	1.98	0.16	1.96
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	20	1.98	0.16	1.96
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	20	1.98	0.17	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	20	1.98	0.17	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	20	1.98	0.17	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	20	1.98	0.17	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	20	1.98	0.17	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	20	1.98	0.17	2.04
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	20	1.98	0.32	2.1
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	20	1.98	0.32	2.1
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	20	1.98	0.03	1.98
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	20	1.98	0.05	1.99
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.97	0.05	1.97
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	20	1.96	0.46	1.98
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	20	1.96	0.46	1.98
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	20	1.96	0.46	1.98
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	20	1.96	0.46	1.98
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	20	1.96	0.46	1.98
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	20	1.96	0.46	1.98
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	20	1.96	0.16	2.0
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	20	1.96	0.16	2.0
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	20	1.96	0.16	2.0
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	20	1.96	0.43	2.05
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	20	1.96	0.43	2.05
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	20	1.96	0.43	2.05
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	20	1.96	0.43	2.05

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	20	1.96	0.43	2.05
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	20	1.96	0.43	2.05
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	20	1.96	0.27	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	20	1.96	0.27	2.02
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	20	1.96	0.1	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	20	1.96	0.1	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	20	1.96	0.1	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	20	1.96	0.1	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	20	1.96	0.1	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	20	1.96	0.1	1.93
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	1.96	0.01	1.96
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	20	1.96	0.09	1.98
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	20	1.96	0.09	1.98
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	20	1.96	0.33	2.03
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	20	1.96	0.33	2.03
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	20	1.96	0.1	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	20	1.96	0.1	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	20	1.96	0.1	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	20	1.96	0.1	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	20	1.96	0.1	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	20	1.96	0.1	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.96	0.02	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.96	0.02	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.96	0.02	1.96
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	20	1.96	0.6	2.11
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	20	1.96	0.6	2.11
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	20	1.96	0.6	2.11
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	20	1.95	0.04	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	20	1.95	0.04	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	20	1.95	0.04	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	20	1.95	0.04	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	20	1.95	0.04	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	20	1.95	0.04	1.95
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	20	1.95	0.08	1.96
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	20	1.95	0.08	1.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	20	1.95	0.08	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	20	1.95	0.13	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	20	1.95	0.13	1.98
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	20	1.95	0.09	1.96
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	20	1.95	0.09	1.96
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	20	1.94	0.6	2.1
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	20	1.94	0.6	2.1
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	20	1.94	0.6	2.1
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	20	1.94	0.04	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	20	1.94	0.04	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	20	1.94	0.04	1.94
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.94	0.37	2.16
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.94	0.37	2.16
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.94	0.08	1.94
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.94	0.08	1.94
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.94	0.08	1.94
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.94	0.07	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.94	0.07	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.94	0.07	1.96
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	20	1.94	0.01	1.94
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	20	1.94	0.13	1.98
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	20	1.94	0.13	1.98
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	20	1.94	0.13	1.98
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	20	1.94	0.13	1.98
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	20	1.94	0.13	1.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	20	1.94	0.13	1.98
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	20	1.93	0.03	1.92
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	1.93	0.38	1.74
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	1.93	0.38	1.74
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	20	1.93	0.02	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	20	1.93	0.02	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	20	1.93	0.02	1.94
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	20	1.93	0.11	1.96
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	20	1.93	0.11	1.96
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	20	1.93	0.11	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.93	0.11	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.93	0.11	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.93	0.11	1.96
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	20	1.93	0.09	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	20	1.93	0.09	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	20	1.93	0.09	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	20	1.93	0.09	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	20	1.93	0.09	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	20	1.93	0.09	1.95
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	20	1.93	0.02	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	20	1.93	0.02	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	20	1.93	0.02	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.93	0.02	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.93	0.02	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.93	0.02	1.94
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	20	1.93	0.1	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	20	1.93	0.1	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	20	1.93	0.1	1.9
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	20	1.93	0.06	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	1.93	0.06	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	1.93	0.06	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	20	1.93	0.06	1.93
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	20	1.93	0.12	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	20	1.93	0.12	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	20	1.93	0.12	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	20	1.93	0.12	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	20	1.93	0.12	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	20	1.93	0.12	1.86
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	20	1.93	0.31	2.09
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	20	1.93	0.31	2.09
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	20	1.93	0.14	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	20	1.92	0.03	1.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	20	1.92	0.03	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	20	1.92	0.03	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	20	1.92	0.03	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	20	1.92	0.03	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	20	1.92	0.03	1.91
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	20	1.92	0.12	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	20	1.92	0.12	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	20	1.92	0.12	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	20	1.92	0.12	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	20	1.92	0.12	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	20	1.92	0.12	1.96
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	20	1.92	0.04	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	20	1.92	0.04	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	20	1.92	0.04	1.9
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	20	1.92	0.26	1.88
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	20	1.92	0.26	1.88
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	20	1.92	0.26	1.88
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	20	1.92	0.18	1.89
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	20	1.92	0.18	1.89
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	20	1.92	0.07	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	20	1.92	0.07	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	20	1.92	0.07	1.92
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	20	1.91	0.11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	20	1.91	0.11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	20	1.91	0.11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	20	1.91	0.11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	20	1.91	0.11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	20	1.91	0.11	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	1.91	0.08	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	1.91	0.08	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	1.91	0.08	1.94
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	20	1.91	0.12	1.91
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	20	1.91	0.12	1.91
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	20	1.91	0.72	2.01
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	20	1.91	0.72	2.01
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	20	1.91	0.72	2.01
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	20	1.91	0.72	2.01
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	20	1.91	0.72	2.01
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	20	1.91	0.72	2.01
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	20	1.91	0.09	1.92
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	20	1.91	0.09	1.92
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	20	1.91	0.09	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	20	1.91	0.28	1.94
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	20	1.91	0.28	1.94
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	20	1.91	0.28	1.94
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	20	1.91	0.28	1.94
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	20	1.91	0.28	1.94
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	20	1.91	0.28	1.94
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	20	1.9	0.05	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	20	1.9	0.05	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	20	1.9	0.05	1.9
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.9	0.05	1.91
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	20	1.9	0.16	1.84
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	20	1.9	0.16	1.84
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	20	1.9	0.16	1.84
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	20	1.9	0.25	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	20	1.9	0.25	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	20	1.9	0.25	1.96
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	20	1.9	0.03	1.9
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	20	1.9	0.03	1.9
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	20	1.9	0.03	1.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	20	1.89	0.1	1.91
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	20	1.89	0.1	1.91
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.89	0.02	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.89	0.02	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.89	0.02	1.89
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	20	1.88	0.16	1.94
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	20	1.88	0.07	1.89
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	20	1.88	0.07	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	20	1.88	0.07	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	20	1.88	0.07	1.89
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	20	1.88	0.25	1.96
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	20	1.88	0.25	1.96
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	1.88	0.14	1.84
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	1.88	0.14	1.84
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	1.88	0.14	1.84
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	20	1.88	0.17	1.88
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	20	1.88	0.17	1.88
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	20	1.88	0.17	1.88
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	20	1.88	0.61	2.28
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	20	1.88	0.12	1.9
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	20	1.88	0.12	1.9
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	20	1.88	0.12	1.9
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	20	1.88	0.11	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	20	1.88	0.11	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	20	1.88	0.11	1.88
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	20	1.88	0.18	1.85
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	20	1.88	0.18	1.85
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	20	1.88	0.18	1.85
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.88	0.18	1.85
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.88	0.18	1.85
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.88	0.18	1.85
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	20	1.88	0.06	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	1.88	0.06	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	20	1.88	0.06	1.87
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	20	1.87	0.18	1.85
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	20	1.87	0.18	1.85
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	20	1.87	0.18	1.85
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	20	1.87	0.46	1.92
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	20	1.87	0.46	1.92
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	20	1.87	0.46	1.92
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	20	1.87	0.46	1.92
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	20	1.87	0.46	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	20	1.87	0.46	1.92
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	20	1.87	0.4	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	20	1.87	0.4	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	20	1.87	0.4	1.81
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	1.87	0.02	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	1.87	0.02	1.87
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	20	1.87	0.16	1.88
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	20	1.87	0.03	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	20	1.87	0.03	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	20	1.87	0.03	1.86
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	20	1.87	0.04	1.87
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	20	1.87	0.04	1.87
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	20	1.86	0.1	1.86
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	20	1.86	0.1	1.86
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	20	1.86	0.19	1.81
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	20	1.86	0.19	1.81
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	20	1.86	0.22	1.87
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	20	1.86	0.22	1.87
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	20	1.86	0.22	1.87
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	20	1.86	0.22	1.87
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	20	1.86	0.27	1.88
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	20	1.86	0.27	1.88
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	20	1.86	0.49	1.97
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	20	1.86	0.49	1.97
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	20	1.85	0.01	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	20	1.85	0.01	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	20	1.85	0.01	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	20	1.85	0.01	1.85
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	20	1.85	0.1	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	20	1.85	0.1	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	20	1.85	0.1	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	20	1.85	0.1	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	20	1.85	0.1	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	20	1.85	0.1	1.84
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	20	1.85	0.06	1.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	20	1.85	0.06	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	20	1.85	0.06	1.86
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	20	1.85	0.5	2.05
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	20	1.85	0.5	2.05
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	20	1.85	0.5	2.05
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	20	1.85	0.5	2.05
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	20	1.85	0.5	2.05
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	20	1.85	0.5	2.05
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	20	1.84	0.05	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	20	1.84	0.05	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	20	1.84	0.05	1.86
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	20	1.84	0.17	1.92
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	20	1.84	0.17	1.92
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	20	1.84	0.17	1.92
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	20	1.83	0.09	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	20	1.83	0.06	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	20	1.83	0.06	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	20	1.83	0.06	1.83
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	1.83	0.09	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	20	1.83	0.09	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	20	1.83	0.09	1.87
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	20	1.83	0.01	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	20	1.83	0.01	1.83
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	20	1.83	0.18	1.91
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	20	1.83	0.18	1.91
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.82	0.37	2.04
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.82	0.37	2.04
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.82	0.37	2.04
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.82	0.37	2.04
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.82	0.37	2.04
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.82	0.37	2.04
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	20	1.82	0.03	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	20	1.82	0.03	1.8
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	20	1.82	0.19	1.84
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	20	1.82	0.19	1.84
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	20	1.82	0.19	1.84
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	20	1.82	0.19	1.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	20	1.81	0.03	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	20	1.81	0.03	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	20	1.81	0.03	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	20	1.81	0.03	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	20	1.81	0.03	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	20	1.81	0.03	1.82
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	20	1.81	0.58	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	20	1.81	0.58	2.18
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.81	0.07	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.81	0.07	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.81	0.07	1.81
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	20	1.81	0.11	1.85
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	20	1.81	0.11	1.85
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	20	1.81	0.11	1.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	20	1.81	0.02	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	20	1.81	0.02	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	20	1.81	0.02	1.81
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	20	1.81	0.47	1.9
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	20	1.8	0.13	1.81
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	20	1.8	0.13	1.81
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	20	1.8	0.13	1.81
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	20	1.8	0.13	1.81
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	20	1.8	0.13	1.81
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	20	1.8	0.13	1.81
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	20	1.8	0.04	1.79
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	20	1.8	0.08	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	20	1.8	0.08	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	20	1.8	0.08	1.84
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	20	1.8	0.79	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	20	1.8	0.79	2.17
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	20	1.8	0.12	1.82
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	20	1.79	0.38	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	20	1.79	0.38	1.84
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	1.79	0.25	1.82
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	20	1.79	0.08	1.8
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	20	1.79	0.08	1.8
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	20	1.79	0.08	1.8
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	20	1.79	0.08	1.78
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	20	1.79	0.08	1.78
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	20	1.79	0.08	1.78
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	20	1.79	0.17	1.76
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	20	1.79	0.17	1.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	20	1.79	0.17	1.76
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	20	1.79	0.17	1.76
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	20	1.79	0.17	1.76
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	20	1.79	0.17	1.76
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.78	0.08	1.8
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.78	0.08	1.8
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.78	0.09	1.76
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	20	1.78	0.02	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	20	1.78	0.02	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	20	1.78	0.02	1.78
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	20	1.78	0.62	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	20	1.77	0.33	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	20	1.77	0.33	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	20	1.77	0.33	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	20	1.77	0.33	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	20	1.77	0.33	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	20	1.77	0.33	1.62
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	20	1.77	0.15	1.75
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	20	1.77	0.15	1.75
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	20	1.77	0.15	1.75
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	20	1.77	0.37	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	20	1.77	0.37	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	20	1.77	0.23	1.87
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	20	1.77	0.23	1.87

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	20	1.77	0.23	1.87
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	20	1.77	0.33	1.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	20	1.77	0.33	1.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	20	1.77	0.33	1.83
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	20	1.77	0.13	1.78
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	20	1.77	0.13	1.78
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	20	1.77	0.13	1.78
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	20	1.77	0.52	1.9
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	20	1.77	0.52	1.9
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	20	1.77	0.52	1.9
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	1.77	0.02	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	1.77	0.02	1.77
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	20	1.77	0.14	1.79
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	20	1.77	0.14	1.79
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	20	1.77	0.14	1.79
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	1.77	0.04	1.76
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	20	1.76	0.5	1.96
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	20	1.76	0.5	1.96
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	20	1.76	0.5	1.96
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	20	1.76	0.5	1.96
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	20	1.76	0.5	1.96
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	20	1.76	0.5	1.96
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	20	1.76	0.16	1.74
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	20	1.76	0.16	1.74
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	20	1.76	0.16	1.74
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	20	1.76	0.03	1.77
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	20	1.76	0.21	1.75
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	20	1.76	0.21	1.75
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	20	1.76	0.21	1.75
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	20	1.76	0.1	1.78
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	20	1.76	0.1	1.78
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	20	1.76	0.1	1.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	20	1.76	0.01	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	20	1.76	0.01	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	20	1.76	0.01	1.76
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	20	1.75	0.01	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	20	1.75	0.01	1.75
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	20	1.75	0.11	1.78
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	20	1.75	0.11	1.78
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	20	1.75	0.11	1.78
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	20	1.75	0.02	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	20	1.75	0.02	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	20	1.75	0.02	1.75
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	1.75	0.12	1.72
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	1.75	0.12	1.72
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	1.75	0.12	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	20	1.75	0.15	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	20	1.75	0.15	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	20	1.75	0.15	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	20	1.75	0.15	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	20	1.75	0.15	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	20	1.75	0.15	1.8
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	20	1.75	0.03	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	20	1.75	0.03	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	20	1.75	0.03	1.76
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	20	1.74	0.51	1.87
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	20	1.74	0.51	1.87
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	20	1.74	0.51	1.87
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.74	0.06	1.76
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.74	0.06	1.76
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	20	1.74	0.15	1.8
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	20	1.74	0.15	1.8
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	20	1.74	0.17	1.71
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	20	1.74	0.17	1.71
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	20	1.74	0.17	1.71
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	20	1.74	0.17	1.71
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	20	1.74	0.17	1.71
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	20	1.74	0.17	1.71
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	20	1.73	0.16	1.72
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	20	1.73	0.12	1.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	20	1.73	0.12	1.74
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	20	1.73	0.12	1.74
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	20	1.73	0.36	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	20	1.73	0.36	1.88
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	20	1.73	0.35	1.81
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	20	1.73	0.05	1.7
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	20	1.73	0.05	1.7
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	20	1.73	0.05	1.7
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	20	1.73	0.55	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	20	1.73	0.07	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	20	1.73	0.07	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	20	1.73	0.07	1.7
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	20	1.72	0.16	1.75
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	20	1.72	0.16	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	20	1.72	0.16	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	20	1.72	0.16	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	20	1.72	0.16	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	20	1.72	0.16	1.75
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	20	1.72	0.08	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	20	1.72	0.08	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	20	1.72	0.08	1.66
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	1.72	0.22	1.82
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	1.72	0.22	1.82
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	1.72	0.22	1.82

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	20	1.72	0.02	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	20	1.72	0.02	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	20	1.72	0.02	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	20	1.72	0.01	1.72
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	20	1.72	0.13	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	20	1.72	0.13	1.75
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	20	1.72	0.06	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	20	1.71	0.02	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	20	1.71	0.02	1.72
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	20	1.71	0.3	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	20	1.71	0.3	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	20	1.71	0.3	1.87
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	20	1.71	0.11	1.7
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	20	1.71	0.04	1.72
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	20	1.71	0.02	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	20	1.71	0.02	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	20	1.71	0.02	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	20	1.71	0.04	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	20	1.71	0.04	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	20	1.71	0.04	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	20	1.71	0.06	1.72
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	20	1.71	0.06	1.72
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	20	1.71	0.06	1.72

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	20	1.7	0.41	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	20	1.7	0.41	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	20	1.7	0.41	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	20	1.7	0.41	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	20	1.7	0.41	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	20	1.7	0.41	1.88
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	20	1.7	0.08	1.69
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	20	1.7	0.08	1.69
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	20	1.7	0.21	1.68
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	20	1.7	0.21	1.68
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	20	1.7	0.48	1.72
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	20	1.7	0.48	1.72
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	20	1.7	0.48	1.72
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	20	1.7	0.18	1.69
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	20	1.7	0.53	2.0
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	20	1.7	0.53	2.0
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	20	1.7	0.31	1.56
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	20	1.7	0.31	1.56
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	20	1.7	0.31	1.56

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	20	1.69	0.12	1.7
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	20	1.69	0.12	1.7
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	20	1.69	0.12	1.7
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	20	1.69	0.04	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	20	1.69	0.04	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	20	1.69	0.04	1.69
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	20	1.69	0.1	1.72
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	20	1.69	0.1	1.72
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	20	1.68	0.39	1.84
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	20	1.68	0.39	1.84
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	20	1.68	0.39	1.84
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	20	1.68	0.09	1.7
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	20	1.68	0.2	1.72
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	20	1.68	0.2	1.72
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	20	1.68	0.2	1.72
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	20	1.68	0.51	1.77
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	20	1.68	0.51	1.77
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	20	1.68	0.08	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	20	1.68	0.08	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	20	1.68	0.08	1.72
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	1.68	0.11	1.69
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	1.68	0.11	1.69
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	1.68	0.11	1.69
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	20	1.67	0.1	1.7
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	20	1.67	0.47	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	20	1.67	0.47	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	20	1.67	0.47	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	20	1.67	0.47	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	20	1.67	0.47	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	20	1.67	0.47	1.36
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	20	1.67	0.08	1.67
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	20	1.67	0.08	1.67
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	20	1.67	0.22	1.56
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	20	1.67	0.22	1.56
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	20	1.67	0.22	1.56
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	20	1.67	0.22	1.56
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	20	1.67	0.22	1.56
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	20	1.67	0.22	1.56
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	20	1.67	0.11	1.68
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	20	1.67	0.11	1.68
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	1.67	0.24	1.81
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	1.67	0.24	1.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	1.67	0.24	1.81
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	20	1.67	0.23	1.6
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	20	1.66	0.07	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	20	1.66	0.07	1.62
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	20	1.66	0.05	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	20	1.66	0.05	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	20	1.66	0.05	1.67
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	20	1.66	0.18	1.68
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	20	1.66	0.18	1.68
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	20	1.66	0.17	1.65
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	20	1.66	0.17	1.65
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	20	1.66	0.04	1.64
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	20	1.66	0.04	1.64
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	20	1.66	0.04	1.64
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	20	1.65	0.29	1.58
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	20	1.65	0.29	1.58
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	20	1.65	0.07	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	20	1.65	0.07	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	20	1.65	0.07	1.68
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	20	1.65	0.01	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	20	1.65	0.01	1.65
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	1.65	0.14	1.61
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	1.65	0.14	1.61
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	1.65	0.14	1.61

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	20	1.65	0.13	1.64
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	20	1.65	0.13	1.64
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	20	1.65	0.13	1.64
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	20	1.64	0.1	1.65
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	20	1.64	0.07	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	20	1.64	0.07	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	20	1.64	0.07	1.67
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	20	1.64	0.05	1.63
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	20	1.64	0.05	1.63
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	20	1.64	0.05	1.63
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	20	1.64	0.33	1.7
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	20	1.64	0.33	1.7
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	20	1.64	0.22	1.72
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	20	1.64	0.22	1.72
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	20	1.64	0.22	1.72
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.64	0.03	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.64	0.03	1.64
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	20	1.64	0.08	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	20	1.64	0.08	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	20	1.64	0.08	1.69
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	20	1.64	0.39	1.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	20	1.64	0.39	1.74
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	20	1.64	0.39	1.74
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	20	1.64	0.11	1.68
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	20	1.64	0.11	1.68
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	20	1.64	0.11	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	20	1.64	0.05	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	20	1.64	0.05	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	20	1.64	0.05	1.64
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	20	1.64	0.09	1.66
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	20	1.64	0.09	1.66
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	20	1.64	0.09	1.66
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	20	1.64	0.09	1.66
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	20	1.64	0.09	1.66
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	20	1.64	0.09	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	20	1.64	0.09	1.65
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	20	1.64	0.09	1.65
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	20	1.64	0.09	1.65
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	20	1.63	0.15	1.64
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	20	1.63	0.19	1.67
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	20	1.63	0.19	1.67
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	20	1.63	0.19	1.67
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	20	1.63	0.42	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	20	1.63	0.42	1.47
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	20	1.63	0.04	1.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	20	1.63	0.04	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	20	1.63	0.04	1.62
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	20	1.63	0.13	1.67
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	20	1.63	0.13	1.67
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	20	1.63	0.11	1.62
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	20	1.63	0.11	1.62
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	20	1.63	0.11	1.62
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	20	1.63	0.52	1.69
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	20	1.63	0.52	1.69
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	20	1.62	0.04	1.62
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	20	1.62	0.04	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	20	1.62	0.04	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	20	1.62	0.04	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	20	1.62	0.04	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	20	1.62	0.04	1.62
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	20	1.62	0.04	1.63
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	20	1.62	0.18	1.59
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	20	1.62	0.18	1.59
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	20	1.62	0.11	1.6
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	20	1.62	0.11	1.6
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	20	1.62	0.11	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	20	1.62	0.19	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	20	1.62	0.19	1.63
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	20	1.62	0.48	1.82
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	20	1.62	0.48	1.82
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	20	1.62	0.24	1.68
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	20	1.62	0.24	1.68
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	20	1.61	0.46	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	20	1.61	0.46	1.51

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	20	1.61	0.46	1.51
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	20	1.61	0.02	1.61
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	20	1.61	0.08	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	20	1.61	0.08	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	20	1.61	0.08	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	20	1.61	0.03	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	20	1.61	0.03	1.62
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	20	1.6	0.17	1.6
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	20	1.6	0.17	1.6
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	20	1.6	0.16	1.58
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	20	1.6	0.55	1.64
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	20	1.6	0.55	1.64
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	20	1.6	0.55	1.64
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	20	1.6	0.55	1.64
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	20	1.6	0.55	1.64
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	20	1.6	0.55	1.64
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	20	1.6	0.14	1.59
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	20	1.6	0.14	1.59
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	20	1.6	0.02	1.6
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	20	1.6	0.12	1.62
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	20	1.6	0.12	1.62
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	20	1.6	0.12	1.62
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	20	1.6	0.08	1.6
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	20	1.59	0.19	1.59
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	20	1.59	0.62	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	20	1.59	0.62	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	20	1.59	0.62	1.36
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.59	0.11	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.59	0.11	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	20	1.59	0.04	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	20	1.59	0.02	1.58

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	1.59	0.02	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	1.59	0.02	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	20	1.59	0.02	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	20	1.59	0.02	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	20	1.59	0.02	1.58
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	20	1.58	0.21	1.64
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	20	1.58	0.07	1.59
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	20	1.58	0.07	1.59
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	20	1.58	0.42	1.77
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	20	1.58	0.42	1.77
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	20	1.58	0.42	1.77
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	20	1.58	0.1	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	20	1.58	0.1	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	20	1.58	0.1	1.57
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.58	0.05	1.58
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.58	0.09	1.56
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.58	0.05	1.59

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.58	0.05	1.59
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	20	1.58	0.1	1.58
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	20	1.58	0.1	1.58
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	20	1.58	0.12	1.62
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	20	1.58	0.12	1.62
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	1.58	0.12	1.58
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	20	1.58	0.16	1.58
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	20	1.57	0.65	1.99
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	20	1.57	0.04	1.56
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	20	1.57	0.04	1.56
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	20	1.57	0.04	1.56
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	20	1.56	0.38	1.56
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	20	1.56	0.38	1.56
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	20	1.56	0.38	1.56
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	20	1.56	0.38	1.56
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	20	1.56	0.38	1.56
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	20	1.56	0.38	1.56
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	20	1.56	0.24	1.52
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	20	1.56	0.24	1.52
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	20	1.56	0.13	1.66
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	20	1.56	0.13	1.66
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	20	1.56	0.13	1.66
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	20	1.56	0.11	1.54
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.56	0.08	1.56
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.56	0.08	1.56
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.56	0.08	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	20	1.56	0.01	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	20	1.56	0.01	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	20	1.56	0.01	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	20	1.56	0.01	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	20	1.56	0.01	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	20	1.56	0.01	1.56
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	20	1.56	0.62	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	20	1.56	0.62	1.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	20	1.56	0.28	1.58
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	20	1.56	0.28	1.58
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	20	1.56	0.28	1.58
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	20	1.56	0.28	1.58
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	20	1.56	0.28	1.58
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	20	1.56	0.28	1.58
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	20	1.55	0.32	1.46
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.55	0.17	1.58
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.55	0.17	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	20	1.55	0.03	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	20	1.55	0.03	1.56
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	1.55	0.21	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	1.55	0.21	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	1.55	0.21	1.59
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	20	1.55	0.07	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	20	1.55	0.07	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	20	1.55	0.07	1.52
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	1.55	0.04	1.54
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	20	1.54	0.48	1.74
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	20	1.54	0.48	1.74
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	20	1.54	0.48	1.74
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	20	1.54	0.62	1.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	20	1.54	0.62	1.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	20	1.54	0.62	1.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	20	1.54	0.62	1.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	20	1.54	0.62	1.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	20	1.54	0.62	1.68
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	20	1.54	0.08	1.54
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	20	1.54	0.08	1.54
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	20	1.54	0.08	1.54
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	20	1.54	1.2	0.58
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	20	1.54	1.2	0.58
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	20	1.54	0.14	1.54
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	20	1.54	0.14	1.54
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	20	1.54	0.14	1.54
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	1.54	0.07	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	20	1.54	0.07	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	20	1.54	0.07	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	20	1.54	0.07	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	20	1.54	0.07	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	20	1.54	0.07	1.57
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	20	1.53	0.07	1.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	20	1.53	0.07	1.54
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	20	1.53	0.07	1.54
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	20	1.53	0.17	1.49
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	20	1.53	0.17	1.49
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	20	1.53	0.17	1.49
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	20	1.53	0.02	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	20	1.53	0.02	1.52
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	20	1.52	0.16	1.56
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	20	1.52	0.16	1.56
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	20	1.52	0.18	1.51
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	20	1.52	0.18	1.51
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	20	1.52	0.18	1.51
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	20	1.52	0.05	1.52
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	20	1.52	0.05	1.52
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	20	1.52	0.05	1.52
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	20	1.52	0.36	1.57
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	20	1.52	0.36	1.57
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	20	1.52	0.36	1.57
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	20	1.52	0.36	1.57
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	20	1.52	0.36	1.57
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	20	1.52	0.36	1.57
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.52	0.08	1.52
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.52	0.08	1.52
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.52	0.08	1.52
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	20	1.52	0.1	1.48
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	20	1.52	0.1	1.48
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	20	1.52	0.47	1.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	20	1.52	0.47	1.6
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	20	1.52	0.47	1.6
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	20	1.51	0.68	1.7
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	20	1.51	0.68	1.7
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	20	1.51	0.68	1.7
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	20	1.51	0.6	1.66
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	20	1.51	0.6	1.66
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.51	0.2	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.51	0.2	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.51	0.2	1.42
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	20	1.51	0.06	1.5
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	20	1.51	0.06	1.5
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	20	1.51	0.29	1.52
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	20	1.51	0.29	1.52
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	20	1.51	0.29	1.52
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	20	1.51	0.4	1.38
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	20	1.51	0.4	1.38
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	20	1.51	0.4	1.38
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	20	1.51	0.4	1.38
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	20	1.51	0.94	1.37
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	20	1.51	0.94	1.37
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	20	1.51	0.94	1.37
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	20	1.51	0.02	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	20	1.51	0.02	1.51
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	20	1.51	0.03	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	20	1.51	0.03	1.52
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	20	1.51	0.88	1.57
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	20	1.51	0.88	1.57
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	20	1.5	0.63	1.5
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	20	1.5	0.63	1.5
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	20	1.5	0.63	1.5
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.5	0.2	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.5	0.2	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.5	0.2	1.41
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	20	1.5	0.54	1.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	20	1.5	0.02	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	20	1.5	0.02	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	20	1.5	0.01	1.5
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	20	1.5	0.56	1.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	20	1.5	0.56	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	20	1.5	0.05	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	20	1.5	0.05	1.51
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	20	1.5	0.13	1.5
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	20	1.5	0.13	1.5
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	20	1.5	0.13	1.5
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	20	1.5	0.4	1.44
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	20	1.5	0.4	1.44
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	20	1.5	0.4	1.44
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	20	1.5	0.4	1.44
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	20	1.49	0.13	1.51
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	1.49	0.06	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	1.49	0.06	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	1.49	0.06	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	1.49	0.06	1.53
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	20	1.49	0.1	1.48
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	20	1.49	0.1	1.48
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	20	1.49	0.0	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	20	1.49	0.0	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	20	1.49	0.0	1.49
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	20	1.49	0.08	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	20	1.49	0.08	1.46
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	20	1.49	0.07	1.49
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	20	1.49	0.06	1.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	20	1.49	0.06	1.5
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	20	1.49	0.06	1.5
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.49	0.2	1.48
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.49	0.2	1.48
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	20	1.49	0.2	1.52
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	20	1.49	0.2	1.52
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	20	1.49	0.2	1.52
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	20	1.48	0.03	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	20	1.48	0.04	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	20	1.48	0.04	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	20	1.48	0.04	1.48
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	20	1.48	0.12	1.5
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	20	1.48	0.12	1.5
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	20	1.48	0.12	1.5
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	20	1.48	0.19	1.52
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	20	1.48	0.19	1.52
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	20	1.48	0.19	1.52
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	20	1.48	0.19	1.52
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	20	1.48	0.19	1.52
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	20	1.48	0.19	1.52
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	20	1.48	0.11	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	20	1.48	0.11	1.46
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	20	1.48	0.07	1.48
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	20	1.48	0.12	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	20	1.48	0.12	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	20	1.48	0.12	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	20	1.48	0.12	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	20	1.48	0.12	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	20	1.48	0.12	1.41
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	20	1.48	0.03	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	20	1.48	0.03	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	20	1.48	0.03	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	20	1.48	0.03	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	20	1.48	0.03	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	20	1.48	0.03	1.47
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.48	0.42	1.4
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.48	0.42	1.4
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.48	0.42	1.4
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	20	1.47	0.01	1.47
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	20	1.47	0.28	1.4
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	20	1.47	0.28	1.4
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	20	1.47	0.52	1.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	20	1.47	0.52	1.84
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	20	1.47	0.52	1.84
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	20	1.47	0.19	1.52
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	20	1.47	0.19	1.52
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	20	1.47	0.19	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	20	1.47	0.04	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	20	1.47	0.04	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	20	1.47	0.04	1.45
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	20	1.46	0.48	1.69
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	20	1.46	0.48	1.69
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	20	1.46	0.09	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	20	1.46	0.09	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	20	1.46	0.09	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46	0.04	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46	0.04	1.47
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	20	1.46	0.21	1.48
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	20	1.46	0.21	1.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	20	1.46	0.21	1.48
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	20	1.46	0.57	1.66
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	20	1.46	0.07	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	20	1.46	0.01	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	20	1.46	0.01	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	20	1.46	0.01	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	20	1.46	0.01	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	20	1.46	0.01	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	20	1.46	0.01	1.46
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	20	1.46	0.02	1.45
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	20	1.46	0.07	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	20	1.46	0.07	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	20	1.46	0.07	1.46
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	20	1.46	0.1	1.52
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	20	1.46	0.1	1.52
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.46	0.09	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.46	0.09	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.46	0.09	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.46	0.09	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.46	0.09	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.46	0.09	1.46
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	20	1.46	0.06	1.46
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	20	1.46	0.06	1.46
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	20	1.45	0.34	1.27
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	20	1.45	0.34	1.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	20	1.45	0.06	1.44
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	20	1.45	0.06	1.44
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	20	1.45	0.49	1.53
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	20	1.45	0.49	1.53
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	20	1.45	0.14	1.42
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	20	1.45	0.14	1.42
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	20	1.45	0.14	1.42
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	20	1.45	0.14	1.42
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	20	1.45	0.14	1.42
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	20	1.45	0.14	1.42
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	20	1.45	0.23	1.44
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	20	1.45	0.23	1.44
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	20	1.45	0.36	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	20	1.45	0.36	1.56
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	20	1.45	0.07	1.46
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	20	1.45	0.07	1.46
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	20	1.45	0.38	1.4
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	20	1.45	0.38	1.4
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	20	1.45	0.38	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	20	1.45	0.05	1.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	20	1.45	0.05	1.44
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	20	1.45	0.05	1.44
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	20	1.44	0.25	1.5
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	20	1.44	0.25	1.5
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	20	1.44	0.07	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	20	1.44	0.07	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	20	1.44	0.07	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	20	1.44	0.01	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	20	1.44	0.01	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	20	1.44	0.01	1.44
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	20	1.44	0.04	1.44
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	1.44	0.24	1.58
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	1.44	0.24	1.58
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	1.44	0.24	1.58
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	20	1.43	0.61	1.47
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	20	1.43	0.61	1.47
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	20	1.43	0.45	1.68
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	20	1.43	0.45	1.68
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	20	1.43	0.45	1.68
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	20	1.43	0.45	1.68
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	20	1.43	0.45	1.68
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	20	1.43	0.45	1.68
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	20	1.43	0.12	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	20	1.43	0.12	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	20	1.43	0.12	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	20	1.43	0.12	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	20	1.43	0.12	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	20	1.43	0.12	1.46
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	20	1.43	0.4	1.52
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	20	1.43	0.07	1.43
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	1.43	0.22	1.52
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	1.43	0.22	1.52
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	1.43	0.22	1.52
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	20	1.43	0.16	1.37
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	20	1.43	0.16	1.37
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	20	1.43	0.16	1.37
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	20	1.43	0.02	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	20	1.43	0.02	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	20	1.43	0.02	1.42
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	20	1.43	0.15	1.44
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	20	1.43	0.15	1.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	20	1.42	0.06	1.42
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	20	1.42	0.06	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	20	1.42	0.26	1.46
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	20	1.42	0.26	1.46
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	20	1.42	0.26	1.46
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	20	1.42	0.24	1.44
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	20	1.42	0.24	1.44
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	20	1.42	0.24	1.44
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.42	0.18	1.4
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.42	0.18	1.4
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	20	1.42	0.3	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	20	1.42	0.3	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	20	1.42	0.3	1.37
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	20	1.42	0.04	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	20	1.42	0.04	1.44
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	20	1.42	0.08	1.42
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	20	1.42	0.08	1.42
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	20	1.42	0.08	1.42
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	20	1.42	0.08	1.42
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	20	1.42	0.08	1.42
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	20	1.42	0.06	1.42
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	20	1.42	0.06	1.42
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	20	1.41	0.16	1.4
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	20	1.41	0.16	1.4
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	20	1.41	0.16	1.4
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	20	1.41	0.19	1.44
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	20	1.41	0.19	1.44
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	20	1.41	0.15	1.42
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	20	1.41	0.11	1.34
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	20	1.41	0.07	1.42
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	20	1.41	0.07	1.42
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	20	1.41	0.04	1.4
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	20	1.41	0.04	1.4
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	20	1.41	0.04	1.4
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	20	1.41	0.23	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	20	1.4	0.01	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	20	1.4	0.01	1.4
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	20	1.4	0.21	1.38
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	20	1.4	0.21	1.38
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	20	1.4	0.21	1.38
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	20	1.4	0.21	1.38
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	20	1.4	0.26	1.48
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	20	1.4	0.26	1.48
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.4	0.05	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.4	0.05	1.38
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.4	0.05	1.38
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.4	0.07	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.4	0.07	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.4	0.07	1.42
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	20	1.4	0.15	1.42
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	20	1.4	0.15	1.42
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	20	1.39	0.08	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	20	1.39	0.08	1.33
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	20	1.39	0.17	1.49
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	20	1.39	0.55	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	20	1.39	0.55	1.74
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	20	1.39	0.02	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	20	1.39	0.02	1.39
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	20	1.39	0.19	1.46
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	20	1.39	0.19	1.46
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	20	1.39	0.19	1.46
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	20	1.39	0.01	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	20	1.39	0.01	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	20	1.39	0.01	1.39
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	20	1.39	0.08	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	20	1.39	0.08	1.43
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	20	1.39	0.28	1.44
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	20	1.39	0.28	1.44
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	20	1.38	0.11	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	20	1.38	0.11	1.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	20	1.38	0.11	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	20	1.38	0.11	1.4
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	20	1.38	0.21	1.4
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	20	1.38	0.16	1.41
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	20	1.38	0.16	1.41
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	20	1.38	0.02	1.38
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	20	1.37	0.2	1.43
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	20	1.37	0.2	1.43
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	20	1.37	0.06	1.37
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	20	1.37	0.16	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	20	1.37	0.16	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	20	1.37	0.16	1.41
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	1.37	0.03	1.37
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	1.37	0.03	1.37
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	20	1.37	0.25	1.49
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	20	1.37	0.25	1.49
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	1.37	0.12	1.38
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	20	1.37	0.51	1.39
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	20	1.37	0.51	1.39
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	20	1.36	0.07	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	20	1.36	0.07	1.35
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	20	1.36	0.45	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	20	1.36	0.45	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	20	1.36	0.45	1.51
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	1.36	0.0	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	1.36	0.0	1.36
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.36	0.13	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.36	0.13	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.36	0.13	1.43
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	20	1.36	0.05	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	20	1.36	0.05	1.37
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	20	1.36	0.02	1.35
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	20	1.36	0.41	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	20	1.36	0.41	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	20	1.36	0.41	1.53

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	20	1.36	0.41	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	20	1.36	0.41	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	20	1.36	0.41	1.53
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	20	1.35	0.07	1.37
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	20	1.35	0.07	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	20	1.35	0.07	1.35
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	20	1.35	0.07	1.35
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	20	1.35	0.07	1.35
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	20	1.35	0.08	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	20	1.35	0.08	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	20	1.35	0.08	1.29
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	20	1.35	0.51	1.48
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	20	1.35	0.51	1.48
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	20	1.35	0.51	1.48
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	20	1.35	0.07	1.38
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	20	1.35	0.06	1.36
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	20	1.35	0.3	1.18
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	20	1.35	0.43	1.63
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	20	1.35	0.43	1.63
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.35	0.07	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.35	0.07	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.35	0.07	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.35	0.07	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.35	0.07	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.35	0.07	1.37
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	20	1.35	0.31	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	20	1.35	0.31	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	20	1.35	0.31	1.49
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	20	1.35	0.03	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	20	1.35	0.02	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	20	1.35	0.02	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	20	1.35	0.02	1.35
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	20	1.34	0.15	1.33
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	20	1.34	0.15	1.33
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	20	1.34	0.15	1.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	20	1.34	0.19	1.25
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	20	1.34	0.44	1.15
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	20	1.34	0.44	1.15
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	20	1.34	0.44	1.15
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	20	1.34	0.44	1.15
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	20	1.34	0.44	1.15
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	20	1.34	0.44	1.15
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	20	1.34	0.01	1.34
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	20	1.34	0.53	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	20	1.34	0.53	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	20	1.34	0.53	1.16
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	20	1.34	0.02	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	20	1.34	0.02	1.33
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	20	1.34	0.13	1.3
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	20	1.34	0.13	1.3
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	20	1.34	0.12	1.36
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	20	1.34	0.05	1.36
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	20	1.34	0.05	1.36
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	20	1.34	0.25	1.29
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	20	1.34	0.25	1.29
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	20	1.34	0.25	1.29
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	20	1.34	0.11	1.29
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	20	1.34	0.11	1.29
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	20	1.33	0.42	1.3
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	20	1.33	0.42	1.3
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	20	1.33	0.42	1.3
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	20	1.33	0.42	1.3
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	20	1.33	0.42	1.3
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	20	1.33	0.42	1.3
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	20	1.33	0.42	1.25
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	20	1.33	0.22	1.33
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	20	1.33	0.22	1.33
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	20	1.33	0.22	1.33
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	20	1.33	0.22	1.33
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	20	1.33	0.22	1.33
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	20	1.33	0.22	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.33	0.04	1.34

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	20	1.33	0.04	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	20	1.33	0.04	1.34
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	20	1.33	0.58	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	20	1.33	0.58	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	20	1.33	0.58	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	20	1.33	0.58	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	20	1.33	0.58	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	20	1.33	0.58	1.14
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	20	1.33	0.07	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	20	1.33	0.07	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	1.33	0.07	1.36
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.33	0.1	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.33	0.1	1.31
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	20	1.33	0.02	1.33
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	20	1.33	0.15	1.37
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	20	1.33	0.15	1.37
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	20	1.33	0.12	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	20	1.33	0.12	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	20	1.33	0.12	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	20	1.32	0.04	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	20	1.32	0.04	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	20	1.32	0.04	1.32
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	20	1.32	0.06	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	20	1.32	0.06	1.34
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	20	1.32	0.06	1.34
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	20	1.32	0.06	1.34
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	20	1.32	0.47	1.42
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	20	1.32	0.47	1.42
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	20	1.32	0.47	1.42
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	20	1.32	0.47	1.42
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.32	0.03	1.31
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.32	0.03	1.31
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	20	1.32	0.1	1.24
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32	0.01	1.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32	0.01	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32	0.01	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	20	1.32	0.02	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	20	1.32	0.12	1.33
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	20	1.32	0.12	1.33
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	20	1.32	0.12	1.33
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	20	1.32	0.19	1.42
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	20	1.32	0.19	1.42
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	20	1.31	0.02	1.32
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	20	1.31	0.02	1.32
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	20	1.31	0.02	1.32
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	20	1.31	0.04	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	20	1.31	0.06	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	20	1.31	0.06	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	20	1.31	0.06	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	20	1.31	0.06	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	20	1.31	0.06	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	20	1.31	0.06	1.3
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	20	1.31	0.13	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	20	1.31	0.13	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	20	1.31	0.13	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	20	1.31	0.13	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	20	1.31	0.13	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	20	1.31	0.13	1.35
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	20	1.31	0.02	1.31
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	20	1.31	0.49	1.07
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	20	1.31	0.49	1.07
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	20	1.31	0.49	1.07
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	20	1.31	0.06	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	20	1.31	0.06	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	20	1.31	0.06	1.31
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	20	1.31	0.07	1.31
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.31	0.05	1.32

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.31	0.05	1.32
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	20	1.31	0.03	1.29
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	20	1.31	0.1	1.27
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	20	1.31	0.1	1.27
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	20	1.31	0.07	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	20	1.31	0.07	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	20	1.31	0.07	1.31
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	20	1.3	0.07	1.28
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	20	1.3	0.07	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	20	1.3	0.04	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	20	1.3	0.04	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	20	1.3	0.04	1.29
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	20	1.3	0.13	1.31
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	20	1.3	0.13	1.31
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	20	1.3	0.13	1.31
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	20	1.3	0.13	1.31
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	20	1.3	0.13	1.31
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	20	1.3	0.13	1.31
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	20	1.3	0.09	1.29
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	20	1.3	0.09	1.29
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	20	1.3	0.09	1.29
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.3	0.3	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.3	0.3	1.46
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.3	0.01	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.3	0.01	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	20	1.3	0.06	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	20	1.3	0.06	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	20	1.3	0.06	1.32
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	1.29	0.01	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	1.29	0.01	1.29
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	20	1.29	0.13	1.35
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	20	1.29	0.1	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	20	1.29	0.08	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	20	1.29	0.08	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	20	1.29	0.08	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	20	1.29	0.08	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	20	1.29	0.08	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	20	1.29	0.08	1.31
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	20	1.29	0.04	1.27
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	20	1.29	0.6	1.46
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	20	1.29	0.6	1.46
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	20	1.29	0.42	1.11
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	20	1.29	0.42	1.11
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	20	1.29	0.42	1.11
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	20	1.28	0.06	1.31
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	20	1.28	0.3	1.17
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	20	1.28	0.3	1.17
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	20	1.28	0.14	1.2
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	20	1.28	0.11	1.34
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.28	0.04	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.28	0.04	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.28	0.04	1.26
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	20	1.28	0.14	1.28
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	20	1.28	0.14	1.28
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	20	1.28	0.19	1.33
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	20	1.28	0.19	1.33
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	20	1.28	0.37	1.27
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	20	1.28	0.37	1.27
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	20	1.28	0.37	1.27
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	20	1.28	0.37	1.27
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	20	1.28	0.37	1.27
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	20	1.28	0.37	1.27
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	20	1.27	0.05	1.27
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	20	1.27	0.05	1.27
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	20	1.27	0.05	1.27
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	20	1.27	0.51	1.54
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	20	1.27	0.51	1.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	20	1.27	0.51	1.54
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	20	1.27	0.51	1.54
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	20	1.27	0.51	1.54
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	20	1.27	0.51	1.54
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	20	1.27	0.23	1.2
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	20	1.27	0.23	1.2
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	20	1.27	0.23	1.2
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	20	1.27	0.01	1.27
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	20	1.27	0.05	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	20	1.27	0.02	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	20	1.27	0.02	1.27
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	20	1.27	0.18	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	20	1.27	0.18	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	20	1.27	0.18	1.21
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	20	1.27	0.0	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	20	1.27	0.0	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	20	1.27	0.0	1.27
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	20	1.27	0.06	1.3
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	20	1.27	0.23	1.39
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	20	1.26	0.16	1.27
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	20	1.26	0.07	1.23
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	20	1.26	0.07	1.23
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	20	1.26	0.07	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	20	1.26	0.06	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	20	1.26	0.06	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	1.26	0.06	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	20	1.26	0.06	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	20	1.26	0.06	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	20	1.26	0.06	1.24
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	20	1.26	0.22	1.26
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	20	1.26	0.22	1.26
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	20	1.26	0.22	1.26
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	20	1.26	0.22	1.26
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	20	1.26	0.22	1.26
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	20	1.26	0.22	1.26
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	20	1.26	0.43	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	20	1.26	0.43	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	20	1.26	0.43	1.5
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	20	1.26	0.65	1.18
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	20	1.26	0.65	1.18
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	20	1.26	0.65	1.18
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	20	1.26	0.08	1.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	20	1.26	0.08	1.27
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	20	1.26	0.82	0.54
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	20	1.26	0.26	1.1
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	20	1.26	0.26	1.1
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	20	1.26	0.02	1.26
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	20	1.25	0.38	1.38
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	20	1.25	0.38	1.38
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	20	1.25	0.38	1.38
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	20	1.25	0.41	1.31
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	20	1.25	0.41	1.31
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	20	1.25	0.41	1.31
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	20	1.25	0.07	1.25
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	20	1.25	0.07	1.25
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	20	1.25	0.73	1.35
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	20	1.25	0.73	1.35
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	20	1.25	0.73	1.35
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	20	1.25	0.11	1.31
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	20	1.25	0.13	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	20	1.25	0.13	1.23
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	20	1.25	0.0	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	20	1.25	0.0	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	20	1.25	0.0	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	20	1.25	0.0	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	20	1.25	0.0	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	20	1.25	0.0	1.25
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	20	1.25	0.27	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	20	1.25	0.27	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	20	1.25	0.27	1.32
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	20	1.25	0.09	1.27
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	20	1.25	0.09	1.27
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	20	1.25	0.09	1.27
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	20	1.25	0.09	1.27
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	20	1.25	0.09	1.27
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	20	1.25	0.09	1.27
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	20	1.25	0.04	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	20	1.25	0.04	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	20	1.25	0.04	1.23
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	20	1.24	0.1	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.24	0.17	1.27
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.24	0.17	1.27
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.24	0.17	1.27
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.24	0.17	1.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	20	1.24	0.14	1.23
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	20	1.24	0.14	1.23
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	20	1.24	0.14	1.23
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	20	1.24	0.27	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	20	1.24	0.27	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	20	1.24	0.27	1.34
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	20	1.24	0.48	1.48
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	20	1.24	0.48	1.48
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	20	1.24	0.04	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	20	1.24	0.04	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	20	1.24	0.04	1.26
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	20	1.24	0.02	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	20	1.24	0.02	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	20	1.24	0.02	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	20	1.24	0.03	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	20	1.24	0.03	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	20	1.24	0.03	1.24
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	20	1.24	0.19	1.31
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	20	1.24	0.53	1.4
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	20	1.24	0.53	1.4
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	20	1.24	0.53	1.4
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	20	1.24	0.4	1.0
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	20	1.24	0.4	1.0
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	20	1.24	0.4	1.0
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	20	1.24	0.24	1.13
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	20	1.24	0.24	1.13
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	20	1.24	0.24	1.13
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.24	0.05	1.23
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.24	0.05	1.23
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.24	0.05	1.23
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.24	0.05	1.23
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	20	1.24	0.03	1.24
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	20	1.24	0.46	1.25
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	20	1.24	0.46	1.25
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	20	1.24	0.01	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	20	1.24	0.01	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	20	1.24	0.01	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	20	1.24	0.01	1.24
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	20	1.23	0.12	1.24
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	20	1.23	0.17	1.25
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	20	1.23	0.17	1.25
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	20	1.23	0.09	1.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	20	1.23	0.09	1.2
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	20	1.23	0.09	1.2
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	20	1.23	0.09	1.2
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	20	1.23	0.03	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	20	1.23	0.03	1.23
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	20	1.23	0.03	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	20	1.23	0.03	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	20	1.23	0.03	1.22
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	20	1.23	0.15	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	20	1.23	0.15	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	20	1.23	0.15	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	20	1.23	0.15	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	20	1.23	0.15	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	20	1.23	0.15	1.28
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	20	1.22	0.02	1.23
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	20	1.22	0.02	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	20	1.22	0.03	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	20	1.22	0.03	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	20	1.22	0.03	1.22
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	20	1.22	0.39	1.25
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	20	1.22	0.39	1.25
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	20	1.22	0.78	1.04
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	20	1.22	0.01	1.22
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	20	1.22	0.18	1.3
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	1.22	0.18	1.3
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	20	1.22	0.17	1.27
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	20	1.22	0.17	1.27
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	20	1.22	0.23	1.17
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	20	1.22	0.14	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	20	1.22	0.14	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	20	1.22	0.14	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	20	1.22	0.14	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	20	1.22	0.14	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	20	1.22	0.14	1.24
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	20	1.21	0.06	1.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	20	1.21	0.07	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	20	1.21	0.07	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	20	1.21	0.07	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	20	1.21	0.05	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	20	1.21	0.05	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	20	1.21	0.05	1.23
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	20	1.21	0.18	1.29
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	1.21	0.18	1.29
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	20	1.21	0.04	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	20	1.21	0.04	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	20	1.21	0.04	1.2
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	20	1.21	0.3	1.08
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	20	1.21	0.3	1.08
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	20	1.21	0.3	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	20	1.21	0.3	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	20	1.21	0.3	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	20	1.21	0.3	1.08
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	1.21	0.06	1.18
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	1.21	0.06	1.18
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	20	1.21	0.15	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	20	1.21	0.15	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	20	1.21	0.15	1.16
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	20	1.2	0.13	1.21
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	20	1.2	0.13	1.21
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	20	1.2	0.68	1.14
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	20	1.2	0.68	1.14
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	20	1.2	0.68	1.14
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	20	1.2	0.2	1.23
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	20	1.2	0.08	1.26
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	20	1.2	0.15	1.25
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	20	1.2	0.15	1.25
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	20	1.2	0.06	1.23
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	20	1.2	0.61	1.66
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	20	1.2	0.61	1.66
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	20	1.2	0.61	1.66
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	20	1.2	0.61	1.66
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	20	1.2	0.2	1.23
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	20	1.2	0.11	1.21
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	20	1.2	0.58	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	20	1.2	0.58	1.58
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	20	1.2	0.02	1.2
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	20	1.2	0.36	1.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	20	1.2	0.36	1.13
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	20	1.19	0.07	1.18
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	20	1.19	0.32	1.1
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	20	1.19	0.44	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	20	1.19	0.44	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	20	1.19	0.44	0.9
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	20	1.19	0.08	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	20	1.19	0.08	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	20	1.19	0.08	1.23
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	1.19	0.01	1.19
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	20	1.19	0.51	0.96
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	20	1.19	0.51	0.96
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	20	1.19	0.51	0.96
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	20	1.19	0.51	0.96
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	20	1.19	0.51	0.96
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	20	1.19	0.51	0.96
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	20	1.19	0.35	1.07
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	20	1.19	0.35	1.07
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	20	1.19	0.35	1.07
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	20	1.19	0.35	1.07
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	20	1.19	0.35	1.07
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	20	1.19	0.35	1.07
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	20	1.19	0.28	1.18
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	20	1.19	0.28	1.18
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	20	1.18	0.01	1.19
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	20	1.18	0.06	1.18
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	20	1.18	0.04	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	20	1.18	0.08	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	20	1.18	0.08	1.19
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	20	1.18	0.16	1.07
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	20	1.18	0.16	1.07
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	20	1.18	0.16	1.07
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	20	1.18	0.16	1.07
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	20	1.18	0.25	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	20	1.18	0.25	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	20	1.18	0.25	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	20	1.18	0.25	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	20	1.18	0.25	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	20	1.18	0.25	1.26
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	20	1.17	0.24	1.09
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	20	1.17	0.24	1.09
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	1.17	0.07	1.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	1.17	0.07	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	1.17	0.07	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	1.17	0.07	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	1.17	0.07	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	1.17	0.07	1.14
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	20	1.17	0.02	1.17
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	1.17	0.37	1.15
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	1.17	0.37	1.15
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	1.17	0.37	1.15
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	1.17	0.37	1.15
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	20	1.17	0.09	1.16
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	20	1.17	0.09	1.16
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	20	1.17	0.09	1.16
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	20	1.17	0.35	1.04
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	20	1.17	0.35	1.04
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	20	1.16	0.04	1.15
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	20	1.16	0.04	1.15
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	20	1.16	0.04	1.15
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.16	0.06	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.16	0.06	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.16	0.06	1.17
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	20	1.16	0.17	1.25
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	20	1.16	0.17	1.25
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	20	1.16	0.36	1.28
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	20	1.16	0.36	1.28
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	20	1.16	0.36	1.28
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	1.16	0.21	1.17
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	1.16	0.21	1.17
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	1.16	0.21	1.17
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	20	1.16	0.29	1.16
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	20	1.16	0.29	1.16
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	20	1.16	0.44	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	20	1.16	0.44	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	20	1.16	0.44	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	20	1.16	0.44	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	20	1.16	0.44	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	20	1.16	0.44	1.5

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	20	1.16	0.31	1.26
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	20	1.16	0.31	1.26
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	20	1.16	0.31	1.26
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	20	1.16	0.31	1.26
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	20	1.16	0.31	1.26
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	20	1.16	0.31	1.26
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	20	1.16	0.1	1.11
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	20	1.16	0.21	1.19
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	20	1.16	0.08	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	20	1.16	0.08	1.15
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	20	1.15	0.69	1.16
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	20	1.15	0.69	1.16
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	20	1.15	0.69	1.16
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	20	1.15	0.69	1.16
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	20	1.15	0.69	1.16
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	20	1.15	0.69	1.16
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	20	1.15	0.1	1.16
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	20	1.15	0.1	1.16
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	20	1.15	0.1	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.15	0.08	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.15	0.08	1.15
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	20	1.15	0.02	1.17
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	20	1.15	0.46	1.36
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	20	1.15	0.46	1.36
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	20	1.15	0.46	1.36
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	20	1.15	0.03	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	20	1.15	0.01	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	20	1.15	0.01	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	20	1.15	0.01	1.15
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	20	1.15	0.16	1.08
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	20	1.15	0.16	1.08
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	20	1.15	0.36	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	20	1.15	0.36	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	20	1.15	0.36	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	20	1.15	0.36	1.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	20	1.15	0.36	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	20	1.15	0.36	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	20	1.15	0.36	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	20	1.15	0.36	1.3
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	20	1.14	0.09	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	20	1.14	0.07	1.13
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	20	1.14	0.07	1.13
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	20	1.14	0.1	1.14
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	20	1.14	0.1	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	20	1.14	0.01	1.14
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	20	1.14	0.42	1.33
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	20	1.14	0.42	1.33
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	20	1.14	0.42	1.33
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	20	1.14	0.22	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	20	1.14	0.22	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	20	1.14	0.22	1.18
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	20	1.14	0.22	1.18
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	20	1.14	0.0	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	20	1.14	0.01	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	20	1.14	0.01	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	20	1.14	0.01	1.14
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.14	0.2	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.14	0.2	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.14	0.2	1.12
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.14	0.2	1.12
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	20	1.14	0.06	1.15
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	20	1.14	0.06	1.15
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	20	1.14	0.06	1.15
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	20	1.14	0.06	1.15
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	20	1.14	0.06	1.15
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	20	1.14	0.06	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	20	1.14	0.03	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	20	1.14	0.03	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	20	1.14	0.03	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	20	1.14	0.03	1.14
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	20	1.13	0.19	1.14
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	20	1.13	0.19	1.14
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	20	1.13	0.19	1.14
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	20	1.13	0.19	1.14
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	20	1.13	0.19	1.14
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	20	1.13	0.19	1.14
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	20	1.13	0.09	1.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	20	1.13	0.09	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	20	1.13	0.07	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	20	1.13	0.07	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	20	1.13	0.07	1.15
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	20	1.13	0.33	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	20	1.13	0.33	1.21
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	20	1.13	0.18	1.16
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	20	1.13	0.18	1.16
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	20	1.13	0.02	1.13
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	20	1.13	0.1	1.13
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	20	1.13	0.1	1.13
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	20	1.13	0.15	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	20	1.13	0.15	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	20	1.13	0.15	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	20	1.13	0.15	1.2
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	20	1.13	0.06	1.13
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	20	1.13	0.06	1.13
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	20	1.13	0.3	1.27
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	20	1.13	0.3	1.27
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	20	1.13	0.3	1.27
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	20	1.13	0.07	1.12
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	20	1.13	0.2	1.12
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	20	1.13	0.2	1.12
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	20	1.13	0.2	1.12
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	20	1.13	0.2	1.12
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	20	1.13	0.2	1.12
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	20	1.13	0.2	1.12
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	20	1.13	0.23	1.25
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	20	1.12	0.22	1.07
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	20	1.12	0.24	1.08
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	20	1.12	0.24	1.08
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	1.12	0.13	1.1
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	1.12	0.13	1.1
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	20	1.12	0.15	1.16
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	20	1.12	0.15	1.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	20	1.12	0.3	1.22
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	20	1.12	0.3	1.22
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	20	1.12	0.1	1.14
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	20	1.12	0.4	1.1
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	20	1.12	0.4	1.1
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	20	1.12	0.4	1.1
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	20	1.12	0.35	1.0
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	20	1.12	0.35	1.0
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	20	1.12	0.35	1.0
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	20	1.12	0.35	1.0
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	20	1.12	0.35	1.0
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	20	1.12	0.35	1.0
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	20	1.12	0.01	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	20	1.12	0.01	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	20	1.12	0.01	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	20	1.12	0.01	1.12
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	20	1.12	0.22	1.06
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	20	1.12	0.22	1.06
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	20	1.12	0.22	1.06
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	20	1.12	0.15	1.15
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	20	1.12	0.15	1.15
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	20	1.11	0.13	1.1
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	20	1.11	0.13	1.1
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	20	1.11	0.13	1.1
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	20	1.11	0.38	0.85
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	20	1.11	0.38	0.85
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	20	1.11	0.09	1.08
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	20	1.11	0.09	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	20	1.11	0.09	1.08
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	20	1.11	0.03	1.12
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	20	1.11	0.34	1.1
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	20	1.11	0.34	1.1
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	20	1.11	0.34	1.1
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	20	1.11	0.13	1.15
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	20	1.11	0.13	1.15
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	20	1.11	0.42	1.25
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	20	1.11	0.42	1.25
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	20	1.11	0.21	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	20	1.11	0.21	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	20	1.11	0.21	1.02
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	20	1.1	0.56	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	20	1.1	0.56	1.44
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	20	1.1	0.55	0.92
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	20	1.1	0.55	0.92
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	20	1.1	0.55	0.92
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	20	1.1	0.61	1.35
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	20	1.1	0.07	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	20	1.1	0.07	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	1.1	0.07	1.13
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	20	1.1	0.64	0.66
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	20	1.1	0.33	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	20	1.1	0.33	1.18
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	20	1.1	0.05	1.1
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	20	1.1	0.06	1.05
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	20	1.1	0.05	1.1
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	20	1.1	0.05	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	20	1.1	0.05	1.1
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	20	1.1	0.14	1.12
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	20	1.1	0.14	1.12
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	20	1.1	0.14	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	20	1.1	0.05	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	20	1.1	0.05	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	20	1.1	0.05	1.11
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	20	1.1	0.61	1.23
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	20	1.1	0.61	1.23
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	20	1.1	0.61	1.23
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	20	1.1	0.61	1.23
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	20	1.1	0.06	1.1
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	20	1.09	0.13	1.08
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	20	1.09	0.09	1.08
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	20	1.09	0.09	1.08
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	20	1.09	0.15	1.06
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	20	1.09	0.15	1.06
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	20	1.09	0.23	1.1
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	20	1.09	0.23	1.1
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	20	1.09	0.23	1.1
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	20	1.09	0.12	1.08
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	1.09	0.17	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	1.09	0.17	1.04
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	20	1.09	0.3	1.06
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	20	1.09	0.3	1.06
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	20	1.09	0.31	1.04
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	20	1.09	0.31	1.04
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	20	1.09	0.31	1.04
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	20	1.09	0.55	1.06
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	20	1.09	0.55	1.06
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	20	1.09	0.55	1.06
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	20	1.09	0.1	1.11
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	20	1.09	0.0	1.09
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	20	1.09	0.25	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	20	1.09	0.25	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	20	1.09	0.25	1.02
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	20	1.08	0.06	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	20	1.08	0.2	1.12
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	20	1.08	0.2	1.12
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	20	1.08	0.13	1.08
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	20	1.08	0.64	0.85
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	20	1.08	0.64	0.85
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	20	1.08	0.23	1.1
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	20	1.08	0.23	1.1
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	20	1.08	0.09	1.1
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	20	1.08	0.09	1.1
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	20	1.08	0.09	1.1
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	20	1.08	0.55	0.98
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	20	1.08	0.55	0.98
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	20	1.08	0.55	0.98
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	20	1.08	0.55	0.98
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	20	1.08	0.55	0.98
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	20	1.08	0.55	0.98
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	20	1.08	0.06	1.08
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	20	1.08	0.06	1.08
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	20	1.08	0.06	1.08
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	20	1.08	0.02	1.09
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	20	1.08	0.24	1.2
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	20	1.07	0.2	1.1
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	20	1.07	0.2	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	20	1.07	0.14	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	20	1.07	0.14	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	20	1.07	0.14	1.1
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	20	1.07	0.66	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	20	1.07	0.66	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	20	1.07	0.66	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	20	1.07	0.66	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	20	1.07	0.66	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	20	1.07	0.66	1.52
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	20	1.07	0.42	1.35
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	20	1.07	0.32	1.18
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	20	1.07	0.32	1.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	20	1.07	0.17	1.03
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	20	1.07	0.17	1.03
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	20	1.07	0.17	1.03
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	20	1.07	0.09	1.04
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	20	1.07	0.09	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.07	0.04	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.07	0.04	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.07	0.04	1.05
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	20	1.07	0.04	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	20	1.07	0.04	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	20	1.07	0.04	1.06
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	20	1.07	0.42	1.02
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	20	1.07	0.42	1.02
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	20	1.07	0.42	1.02
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	20	1.07	0.0	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	20	1.07	0.0	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	20	1.07	0.0	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	20	1.07	0.0	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	20	1.07	0.0	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	20	1.07	0.0	1.07
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	20	1.07	0.06	1.06
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	20	1.07	0.09	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	20	1.07	0.09	1.04
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	1.07	0.38	1.0
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	1.07	0.38	1.0
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	1.07	0.38	1.0
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	20	1.07	0.01	1.06
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	20	1.06	0.12	1.03
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	20	1.06	0.08	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	20	1.06	0.08	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	20	1.06	0.08	1.06
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	20	1.06	0.08	1.06
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	20	1.06	0.12	1.09
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	20	1.06	0.12	1.09
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	20	1.06	0.39	0.91

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	20	1.06	0.39	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	20	1.06	0.39	0.91
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	20	1.06	0.12	1.06
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	20	1.06	0.12	1.06
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	20	1.06	0.12	1.06
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	20	1.06	0.03	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	20	1.06	0.03	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	20	1.06	0.03	1.08
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	20	1.06	0.22	1.08
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	20	1.06	0.22	1.08
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	1.06	0.06	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.06	0.01	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.06	0.01	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.06	0.01	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.06	0.01	1.06
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	20	1.06	0.32	1.18
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	20	1.06	0.32	1.18
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	20	1.05	0.13	1.04
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	20	1.05	0.27	1.12
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	20	1.05	0.27	1.12
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	20	1.05	0.27	1.12
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	20	1.05	0.27	1.12
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	20	1.05	0.22	1.14
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	20	1.05	0.22	1.14
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	20	1.05	0.22	1.14
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	20	1.05	0.22	1.14
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	20	1.05	0.22	1.14
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	20	1.05	0.22	1.14
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	20	1.05	0.13	1.1

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	20	1.05	0.13	1.05
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	20	1.05	0.04	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	20	1.05	0.04	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	20	1.05	0.04	1.06
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	20	1.05	0.02	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.05	0.34	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.05	0.34	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.05	0.34	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	20	1.05	0.34	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	20	1.05	0.34	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	20	1.05	0.34	0.92
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	20	1.05	0.07	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	20	1.05	0.07	1.06
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	20	1.05	0.3	1.04
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	20	1.05	0.48	1.04
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	20	1.05	0.48	1.04
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	20	1.05	0.48	1.04
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	20	1.05	0.48	1.04
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	20	1.05	0.15	1.08
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	20	1.05	0.15	1.08
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	20	1.05	0.15	1.08
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	20	1.05	0.15	1.08
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	20	1.05	0.15	1.08
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	20	1.05	0.15	1.08
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	20	1.05	0.13	1.03
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	20	1.05	0.13	1.03
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	20	1.05	0.13	1.03
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	20	1.05	0.17	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	20	1.05	0.17	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	20	1.05	0.17	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	20	1.05	0.17	1.1
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	20	1.05	0.24	1.17
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	1.04	0.08	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	1.04	0.08	1.04
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	1.04	0.08	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	20	1.04	0.0	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	20	1.04	0.01	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	20	1.04	0.01	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	20	1.04	0.01	1.04
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	1.04	0.34	1.04
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	20	1.04	0.34	1.04
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	1.04	0.28	1.01
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	1.04	0.28	1.01
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	20	1.04	0.12	1.08
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	20	1.04	0.12	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	20	1.04	0.15	1.0
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	20	1.04	0.15	1.0
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	20	1.04	0.15	1.0
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	20	1.04	0.12	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	20	1.04	0.36	0.97
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	20	1.04	0.36	0.97
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	20	1.04	0.06	1.04
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	20	1.04	0.18	1.1
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	20	1.04	0.18	1.1
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	20	1.04	0.18	1.1
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	20	1.03	0.14	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	20	1.03	0.14	1.08
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	20	1.03	0.09	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	20	1.03	0.09	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	20	1.03	0.09	1.03
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	20	1.03	0.02	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	20	1.03	0.02	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	20	1.03	0.02	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	20	1.03	0.02	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	20	1.03	0.02	1.03
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	20	1.03	0.25	0.88
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	20	1.03	0.25	0.88
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	20	1.03	0.61	1.28
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	20	1.03	0.25	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	20	1.03	0.25	1.06
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	20	1.03	0.29	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	1.03	0.29	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	20	1.03	0.29	0.93
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	20	1.03	0.39	1.14
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	20	1.03	0.39	1.14
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	20	1.03	0.39	1.14
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	20	1.03	0.04	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.03	0.03	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.03	0.03	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.03	0.03	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.03	0.03	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	1.03	0.02	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	20	1.03	0.02	1.03
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	20	1.03	0.05	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	20	1.03	0.05	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	20	1.03	0.05	1.02
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	1.03	0.09	1.01
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	1.03	0.09	1.01
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	1.03	0.09	1.01
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	1.03	0.09	1.01
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	1.03	0.09	1.01
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	1.03	0.09	1.01
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	20	1.03	0.24	1.08
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	20	1.03	0.24	1.08
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	20	1.03	0.7	0.86
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	20	1.03	0.7	0.86
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	20	1.03	0.7	0.86
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	20	1.03	0.21	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	20	1.03	0.21	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	20	1.03	0.21	0.94
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	20	1.02	0.03	1.02
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.02	0.08	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.02	0.08	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.02	0.08	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.02	0.08	1.04
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	20	1.02	0.13	1.02
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	20	1.02	0.13	1.02
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	20	1.02	0.13	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	20	1.02	0.0	1.02
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	20	1.02	0.07	1.03
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	20	1.02	0.07	1.03
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.02	0.06	1.04
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.02	0.06	1.04
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.02	0.06	1.04
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.02	0.06	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	20	1.02	0.08	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	20	1.02	0.08	1.0
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	1.02	0.27	1.04
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	1.02	0.27	1.04

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	20	1.02	0.27	1.04
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	20	1.02	0.27	1.04
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	20	1.02	0.22	1.04
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	20	1.02	0.22	1.04
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	20	1.02	0.22	1.04
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	20	1.02	0.22	1.04
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	20	1.02	0.07	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	20	1.02	0.07	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	20	1.02	0.07	1.02
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	20	1.01	0.2	1.05
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	20	1.01	0.2	1.05
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	20	1.01	0.2	1.05
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	20	1.01	0.31	0.98
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	20	1.01	0.03	1.01
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	1.01	0.09	1.03
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	20	1.01	0.19	1.08
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	20	1.01	0.19	1.08
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	20	1.0	0.12	0.97
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	20	1.0	0.03	1.0
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	20	1.0	0.28	1.12
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	20	1.0	0.28	1.12
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	1.0	0.01	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	1.0	0.01	1.0
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	20	1.0	0.1	1.04
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	20	1.0	0.1	1.04
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	20	1.0	0.34	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	20	1.0	0.34	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	20	1.0	0.34	0.89
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	20	1.0	0.04	1.02
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	20	1.0	0.1	0.98
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	20	1.0	0.1	0.98
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	20	1.0	0.04	0.99
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	20	1.0	0.55	0.9
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	20	1.0	0.55	0.9
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	20	1.0	0.55	0.9
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	20	1.0	0.55	0.9
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	20	1.0	0.55	0.9
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	20	1.0	0.55	0.9
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	20	1.0	0.08	1.02
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	20	1.0	0.08	1.02
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	20	1.0	0.08	1.02
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	20	1.0	0.09	1.02

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	20	1.0	0.09	1.02
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	20	1.0	0.09	1.02
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	20	1.0	0.15	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	20	1.0	0.15	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	20	1.0	0.15	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	20	1.0	0.07	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	20	1.0	0.07	0.98
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	20	1.0	0.12	1.0
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	20	1.0	0.26	0.98
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	20	1.0	0.26	0.98
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	20	1.0	0.26	0.98
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	20	1.0	0.26	0.98
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	20	1.0	0.26	0.98
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	20	1.0	0.26	0.98
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	20	0.99	0.06	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	20	0.99	0.02	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	20	0.99	0.02	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	20	0.99	0.02	0.99
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	20	0.99	0.25	0.88
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	20	0.99	0.03	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	20	0.99	0.03	0.98
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	20	0.99	0.04	0.98
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	0.99	0.06	0.96
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	0.99	0.06	0.96
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	0.99	0.06	0.96
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	20	0.99	0.36	1.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	20	0.99	0.36	1.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	20	0.99	0.36	1.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	20	0.99	0.36	1.15
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	20	0.99	0.04	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	20	0.99	0.04	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	20	0.99	0.04	0.98
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	20	0.99	0.26	0.95
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	20	0.98	0.25	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	20	0.98	0.25	0.8
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	20	0.98	0.02	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	20	0.98	0.02	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	20	0.98	0.02	0.98
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	20	0.98	0.06	0.98
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	20	0.98	0.06	0.98
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	20	0.98	0.06	0.98
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	20	0.98	0.08	0.96
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	20	0.97	0.68	0.64
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	20	0.97	0.68	0.64
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	20	0.97	0.68	0.64
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	20	0.97	0.29	0.96
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	20	0.97	0.29	0.96
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	20	0.97	0.29	0.96
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	20	0.97	0.29	0.96
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	20	0.97	0.29	0.96
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	20	0.97	0.29	0.96
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	20	0.97	0.03	0.98
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	20	0.97	0.15	1.05
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	20	0.97	0.15	1.05
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	20	0.97	0.15	1.05
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	20	0.97	0.26	1.01
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	20	0.97	0.26	1.01
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	20	0.97	0.32	1.0
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	20	0.97	0.32	1.0
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	20	0.97	0.32	1.0
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	0.97	0.15	0.96
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	0.97	0.15	0.96
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	0.97	0.15	0.96
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	20	0.97	0.08	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	20	0.97	0.08	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	20	0.97	0.08	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	20	0.97	0.08	0.94
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	20	0.97	0.06	0.98
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	20	0.97	0.37	0.94
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	20	0.97	0.34	1.13
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	20	0.97	0.34	1.13
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	20	0.96	0.16	0.98
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	20	0.96	0.16	0.98

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	20	0.96	0.16	0.98
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	20	0.96	0.13	0.98
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	20	0.96	0.03	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	20	0.96	0.03	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	20	0.96	0.03	0.97
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	20	0.96	0.04	0.97
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	20	0.96	0.09	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	20	0.96	0.09	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	20	0.96	0.09	0.92
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	20	0.96	0.04	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	20	0.96	0.04	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	20	0.96	0.04	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	20	0.96	0.04	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	20	0.96	0.02	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	20	0.96	0.02	0.96
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	20	0.96	0.03	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	20	0.96	0.03	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	20	0.96	0.03	0.95
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	20	0.96	0.08	0.9
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	20	0.96	0.08	0.9
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	20	0.96	0.04	0.94
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	20	0.96	0.04	0.94
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	20	0.96	0.04	0.94
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	20	0.96	0.24	1.04
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	20	0.96	0.24	1.04
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	20	0.96	0.87	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	20	0.96	0.87	0.32
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	20	0.96	0.31	1.01
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	20	0.96	0.23	1.02
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	20	0.95	0.18	0.96
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	20	0.95	0.18	0.96
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	20	0.95	0.18	0.96
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	20	0.95	0.59	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	20	0.95	0.59	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	20	0.95	0.59	1.42

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	0.95	0.38	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	0.95	0.38	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	0.95	0.38	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	0.95	0.38	0.76
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	20	0.95	0.02	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	20	0.95	0.02	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	20	0.95	0.02	0.95
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	20	0.95	0.45	0.74
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.95	0.45	0.74
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	20	0.95	0.45	0.74
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	20	0.95	0.34	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	20	0.95	0.34	1.16
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	20	0.95	0.1	0.94
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	20	0.94	0.18	0.93
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	20	0.94	0.18	0.93
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	20	0.94	0.26	1.02
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	20	0.94	0.26	1.02
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	20	0.94	0.26	1.02
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	20	0.94	0.26	1.02
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	20	0.94	0.09	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	20	0.94	0.09	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	20	0.94	0.09	0.92
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	20	0.94	0.22	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	20	0.94	0.22	0.98
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	20	0.94	0.22	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	20	0.94	0.22	0.98
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	20	0.94	0.08	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	20	0.94	0.08	0.88
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	20	0.94	0.22	0.89
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	20	0.94	0.22	0.89
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	20	0.94	0.29	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	20	0.94	0.29	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	20	0.94	0.29	0.98
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	20	0.93	0.06	0.94
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	20	0.93	0.06	0.94
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	20	0.93	0.09	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	20	0.93	0.09	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	20	0.93	0.09	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	20	0.93	0.09	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	20	0.93	0.09	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	20	0.93	0.09	0.96
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	20	0.93	0.08	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	20	0.93	0.04	0.92
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	20	0.93	0.04	0.92
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	20	0.93	0.04	0.92
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	20	0.93	0.24	0.98
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	20	0.93	0.24	0.98
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	20	0.93	0.03	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	20	0.93	0.03	0.94
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	20	0.92	0.2	0.92
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	20	0.92	0.2	0.92
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	20	0.92	0.2	0.92
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	20	0.92	0.06	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	20	0.92	0.01	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	20	0.92	0.01	0.92
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	20	0.92	0.07	0.92
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	20	0.92	0.12	0.92
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	20	0.92	0.06	0.94
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	20	0.92	0.06	0.94

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	0.92	0.07	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	0.92	0.07	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	0.92	0.07	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	0.92	0.07	0.9
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	20	0.92	0.19	0.84
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	20	0.92	0.04	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	20	0.92	0.0	0.92
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	20	0.92	0.19	0.99
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	20	0.92	0.19	0.99
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	20	0.91	0.03	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	20	0.91	0.03	0.91
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	20	0.91	0.12	0.9
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	20	0.91	0.12	0.9
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	20	0.91	0.02	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	20	0.91	0.02	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	20	0.91	0.02	0.91
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	20	0.9	0.37	0.97
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	20	0.9	0.37	0.97
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	20	0.9	0.18	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	20	0.9	0.18	0.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	20	0.9	0.25	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	20	0.9	0.25	1.07
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	20	0.9	0.17	0.86
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	20	0.9	0.17	0.86
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	20	0.9	0.03	0.91
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	20	0.9	0.26	1.02
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	20	0.9	0.08	0.94
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	20	0.9	0.08	0.94
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	20	0.9	0.08	0.94
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	20	0.9	0.09	0.86
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	20	0.9	0.13	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	20	0.9	0.13	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	20	0.9	0.13	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	20	0.9	0.13	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	20	0.9	0.13	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	20	0.9	0.13	0.95
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	20	0.9	0.19	0.82
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	20	0.9	0.03	0.91
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	20	0.9	0.03	0.91
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	20	0.9	0.33	0.98
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	20	0.9	0.33	0.98
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	20	0.9	0.33	0.98
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	20	0.9	0.33	0.98
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	20	0.9	0.33	0.98
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	20	0.9	0.33	0.98
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	20	0.9	0.08	0.89

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	20	0.89	0.69	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	20	0.89	0.69	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	20	0.89	0.69	0.46
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	20	0.89	0.03	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	20	0.89	0.02	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	20	0.89	0.02	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	20	0.89	0.02	0.89
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	0.89	0.26	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	0.89	0.26	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	0.89	0.26	0.69
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	20	0.89	0.04	0.87
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	20	0.89	0.08	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	20	0.89	0.07	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	20	0.89	0.07	0.86
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	20	0.89	0.04	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	20	0.89	0.04	0.88
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	20	0.89	0.41	0.83
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	20	0.89	0.41	0.83
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	20	0.89	0.41	0.83
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	20	0.89	0.09	0.89
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	20	0.89	0.09	0.89
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.89	0.09	0.88
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	20	0.89	0.02	0.89
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	20	0.88	0.12	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	20	0.88	0.12	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	20	0.88	0.12	0.83
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	20	0.88	0.06	0.86
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	20	0.88	0.29	1.0
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	20	0.88	0.29	1.0
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	20	0.88	0.18	0.81
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	20	0.88	0.18	0.81
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	20	0.88	0.01	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	20	0.88	0.01	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	20	0.88	0.02	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	20	0.88	0.02	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	20	0.88	0.02	0.88
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	20	0.88	0.05	0.88
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	20	0.88	0.05	0.88
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	20	0.88	0.05	0.88
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	20	0.88	0.34	0.99
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	20	0.88	0.34	0.99
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	20	0.88	0.34	0.99
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	20	0.88	0.41	0.72
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	20	0.88	0.41	0.72
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	20	0.88	0.41	0.72
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	20	0.88	0.41	0.72
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	20	0.88	0.41	0.72
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	20	0.88	0.41	0.72
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	0.88	0.12	0.86
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	0.88	0.12	0.86
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	0.88	0.12	0.86
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	20	0.88	0.14	0.9
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	20	0.88	0.14	0.9
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	20	0.88	0.14	0.9
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	20	0.88	0.02	0.88
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	20	0.87	0.02	0.88
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	20	0.87	0.02	0.88
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	20	0.87	0.02	0.88
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	20	0.87	0.45	0.66
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.87	0.45	0.66
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	20	0.87	0.45	0.66
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	20	0.87	0.17	0.9
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	20	0.87	0.17	0.9
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	20	0.87	0.17	0.9
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	20	0.87	0.17	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	20	0.87	0.18	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	20	0.87	0.18	0.9
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	20	0.87	0.13	0.86

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	20	0.87	0.13	0.86
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	20	0.87	0.13	0.86
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	20	0.86	0.27	0.88
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	20	0.86	0.27	0.88
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	20	0.86	0.14	0.82
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	20	0.86	0.19	0.92
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	20	0.86	0.19	0.92
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	20	0.86	0.44	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	20	0.86	0.44	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	20	0.86	0.44	0.57
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	20	0.86	0.44	0.57
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	20	0.86	0.2	0.96
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	20	0.86	0.2	0.96
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.86	0.05	0.87
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.86	0.05	0.87
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.86	0.05	0.87
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	20	0.86	0.07	0.86
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	20	0.86	0.07	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	20	0.86	0.02	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	20	0.86	0.02	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	20	0.86	0.02	0.85
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	20	0.86	0.09	0.9
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	20	0.86	0.56	0.5
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	20	0.86	0.56	0.5
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	20	0.85	0.15	0.84
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	20	0.85	0.12	0.9
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	20	0.85	0.12	0.9
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	0.85	0.0	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	0.85	0.0	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	0.85	0.0	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	0.85	0.0	0.85
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	20	0.85	0.26	0.91
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	20	0.85	0.26	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	20	0.85	0.26	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	20	0.85	0.26	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	20	0.85	0.26	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	20	0.85	0.26	0.91
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	20	0.85	0.12	0.77
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	20	0.85	0.12	0.77
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	20	0.85	0.12	0.77
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	20	0.85	0.38	0.91
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	20	0.85	0.06	0.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	0.85	0.17	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	0.85	0.17	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	0.85	0.17	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	0.85	0.17	0.8
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	20	0.85	0.07	0.85
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	20	0.85	0.25	0.8
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	20	0.85	0.25	0.8
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	20	0.85	0.25	0.8
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	20	0.85	0.14	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	20	0.85	0.14	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	20	0.85	0.14	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	20	0.85	0.14	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	20	0.85	0.14	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	20	0.85	0.14	0.87
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	20	0.85	0.15	0.88
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	20	0.85	0.15	0.88
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	20	0.85	0.15	0.88
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	20	0.85	0.15	0.88
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	20	0.85	0.15	0.88
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	20	0.85	0.15	0.88
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.85	0.17	0.86
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.85	0.17	0.86
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	20	0.84	0.36	0.78
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	20	0.84	0.36	0.78
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	20	0.84	0.36	0.78
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	20	0.84	0.36	0.78
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	20	0.84	0.36	0.78
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	20	0.84	0.36	0.78
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	20	0.84	0.55	0.76
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	20	0.84	0.55	0.76
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	20	0.84	0.55	0.76
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	0.84	0.28	0.81

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	0.84	0.28	0.81
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	0.84	0.28	0.81
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	20	0.84	0.15	0.82
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	20	0.84	0.68	0.46
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	20	0.84	0.68	0.46
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	20	0.84	0.68	0.46
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	20	0.84	0.24	0.92
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	20	0.84	0.24	0.92
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	20	0.84	0.15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	20	0.84	0.15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	20	0.84	0.15	0.8
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	20	0.84	0.31	0.89
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	20	0.83	0.07	0.8
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	20	0.83	0.07	0.8
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	20	0.83	0.07	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	20	0.83	0.06	0.81
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	20	0.83	0.06	0.81
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	20	0.83	0.15	0.84
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	20	0.83	0.15	0.84
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	20	0.83	0.22	0.9
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	20	0.83	0.22	0.9
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	20	0.83	0.22	0.9
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	20	0.83	0.02	0.82
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	20	0.83	0.02	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	20	0.83	0.02	0.82
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	20	0.83	0.29	0.79
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	20	0.83	0.29	0.79
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	20	0.83	0.29	0.79
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	20	0.83	0.26	0.8
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	20	0.83	0.26	0.8
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	20	0.83	0.26	0.8
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	20	0.83	0.43	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	20	0.83	0.43	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	20	0.83	0.43	0.54
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.83	0.09	0.82
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	20	0.82	0.27	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	20	0.82	0.27	0.6
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	20	0.82	0.09	0.88
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	20	0.82	0.09	0.88

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	20	0.82	0.13	0.84
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	20	0.82	0.13	0.84
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	20	0.82	0.13	0.84
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	20	0.82	0.01	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	20	0.82	0.01	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	20	0.82	0.01	0.82
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	20	0.82	0.05	0.82
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	20	0.82	0.05	0.82
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	20	0.82	0.05	0.82
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	20	0.82	0.1	0.84
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	20	0.82	0.1	0.84
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	20	0.82	0.1	0.84
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	20	0.82	0.0	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	20	0.82	0.0	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	20	0.82	0.0	0.82
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	20	0.82	0.05	0.83
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	20	0.82	0.22	0.76
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	20	0.82	0.22	0.76
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	20	0.82	0.22	0.76
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	0.81	0.13	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	0.81	0.13	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	0.81	0.13	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	0.81	0.13	0.8
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.81	0.37	0.79
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.81	0.37	0.79
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.81	0.37	0.79
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.81	0.37	0.79
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	20	0.81	0.11	0.74
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	20	0.81	0.11	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	20	0.81	0.11	0.74
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	20	0.81	0.13	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	20	0.81	0.13	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	20	0.81	0.13	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	20	0.81	0.13	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	20	0.81	0.13	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	20	0.81	0.13	0.85
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	20	0.81	0.12	0.8
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.81	0.3	0.74
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.81	0.3	0.74
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.81	0.3	0.74
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.81	0.3	0.74
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	20	0.81	0.18	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	20	0.81	0.18	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	20	0.81	0.18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	20	0.81	0.18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	20	0.81	0.18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	20	0.81	0.18	0.9
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	20	0.81	0.17	0.86
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	20	0.81	0.17	0.86
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	20	0.81	0.3	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	20	0.81	0.3	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	20	0.81	0.3	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	20	0.81	0.3	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	20	0.81	0.3	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	20	0.81	0.3	0.79
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	20	0.81	0.2	0.88
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	20	0.81	0.2	0.88
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	20	0.81	0.2	0.88
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	20	0.81	0.16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	20	0.81	0.16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	20	0.81	0.16	0.84
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	20	0.8	0.02	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	20	0.8	0.02	0.8
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	20	0.8	0.02	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	20	0.8	0.02	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	20	0.8	0.02	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	20	0.8	0.02	0.8
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	20	0.8	0.15	0.84
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	20	0.8	0.15	0.84
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	20	0.8	0.15	0.84
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	20	0.8	0.02	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	20	0.8	0.02	0.8
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	20	0.8	0.13	0.78
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	20	0.8	0.13	0.78
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	20	0.8	0.13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	20	0.8	0.06	0.8
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	20	0.8	0.06	0.8

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	20	0.8	0.06	0.8
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	20	0.8	0.06	0.8
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	20	0.8	0.06	0.8
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	20	0.8	0.06	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	20	0.79	0.0	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	20	0.79	0.02	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	20	0.79	0.07	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	20	0.79	0.07	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	20	0.79	0.07	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	20	0.79	0.07	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	20	0.79	0.07	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	20	0.79	0.07	0.8
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	20	0.79	0.1	0.78
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	20	0.79	0.1	0.78
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	20	0.79	0.08	0.82
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.79	0.3	0.72
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.79	0.3	0.72
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	20	0.79	0.13	0.78
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	20	0.79	0.27	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	20	0.79	0.27	0.89
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	20	0.79	0.07	0.78
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	20	0.79	0.07	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	20	0.78	0.01	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	20	0.78	0.01	0.78
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	20	0.78	0.14	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	20	0.78	0.14	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	20	0.78	0.14	0.81
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	20	0.78	0.25	0.67
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	20	0.78	0.37	0.76
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	20	0.78	0.37	0.76
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	20	0.78	0.37	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	0.78	0.03	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	0.78	0.03	0.78
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	0.78	0.03	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	0.78	0.03	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	0.77	0.01	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	0.77	0.01	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	0.77	0.01	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	0.77	0.01	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	0.77	0.01	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	0.77	0.01	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	0.77	0.01	0.77

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	20	0.77	0.04	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	20	0.77	0.04	0.77
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	20	0.77	0.09	0.78
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	20	0.77	0.09	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	20	0.77	0.1	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	20	0.77	0.1	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	20	0.77	0.1	0.78
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	20	0.77	0.27	0.84
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	20	0.77	0.26	0.74
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	20	0.77	0.26	0.74
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	20	0.77	0.26	0.74
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	20	0.77	0.26	0.74
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	20	0.77	0.26	0.74
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	20	0.77	0.26	0.74
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	20	0.77	0.02	0.76
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	20	0.77	0.02	0.76
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	20	0.76	0.22	0.75
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	20	0.76	0.22	0.75
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	20	0.76	0.47	0.52
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	20	0.76	0.47	0.52
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	20	0.76	0.47	0.52
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	20	0.76	0.27	0.72
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	20	0.76	0.27	0.72
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	20	0.76	0.27	0.72
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	20	0.76	0.27	0.8
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	20	0.76	0.27	0.8
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	20	0.76	0.27	0.8
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	20	0.76	0.12	0.74
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	20	0.76	0.12	0.74
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	20	0.76	0.12	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	20	0.76	0.12	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	20	0.76	0.12	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	20	0.76	0.12	0.74
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	20	0.75	0.08	0.75
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	20	0.75	0.08	0.75
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	20	0.75	0.08	0.75
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	20	0.75	0.07	0.75
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	20	0.75	0.1	0.78
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	20	0.75	0.0	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	20	0.75	0.0	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	20	0.75	0.0	0.75
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	20	0.75	0.02	0.76

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	20	0.75	0.05	0.74
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	20	0.75	0.07	0.73
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	0.75	0.02	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	20	0.75	0.02	0.75
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	20	0.75	0.03	0.74
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	20	0.74	0.12	0.74
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	20	0.74	0.12	0.74
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	20	0.74	0.12	0.74
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	20	0.74	0.03	0.74
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	20	0.74	0.03	0.74
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	20	0.74	0.03	0.74
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	20	0.74	0.15	0.78
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	20	0.74	0.15	0.78
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	20	0.74	0.29	0.64
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	20	0.74	0.29	0.64
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	20	0.74	0.29	0.64
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	20	0.74	0.02	0.75
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	20	0.74	0.13	0.7
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	20	0.73	0.08	0.73
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	20	0.73	0.08	0.73
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	20	0.73	0.08	0.73
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	20	0.73	0.05	0.76
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	20	0.73	0.44	0.44
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	20	0.73	0.15	0.69
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	20	0.73	0.31	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	20	0.73	0.31	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	20	0.73	0.31	0.87
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	20	0.73	0.13	0.69
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	20	0.72	0.0	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	20	0.72	0.0	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	20	0.72	0.0	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	20	0.72	0.0	0.72
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	20	0.72	0.1	0.71
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	20	0.72	0.36	0.5
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	20	0.72	0.36	0.5
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	20	0.72	0.02	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	20	0.72	0.02	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	0.72	0.02	0.72
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	0.72	0.27	0.74
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	0.72	0.27	0.74
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	0.72	0.27	0.74
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	0.72	0.27	0.74

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	20	0.72	0.27	0.74
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	20	0.72	0.27	0.74
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	20	0.72	0.1	0.74
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	20	0.72	0.1	0.74
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	20	0.72	0.15	0.74
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	20	0.72	0.11	0.74
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	20	0.72	0.11	0.74
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	20	0.72	0.11	0.74
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	20	0.72	0.14	0.69
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	20	0.72	0.02	0.72
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	20	0.71	0.42	0.66
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	20	0.71	0.42	0.66
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	20	0.71	0.42	0.66
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	20	0.71	0.42	0.66
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	20	0.71	0.42	0.66
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	20	0.71	0.42	0.66
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	0.71	0.07	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	0.71	0.07	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	0.71	0.07	0.68
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.71	0.05	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.71	0.05	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.71	0.05	0.72
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	20	0.71	0.04	0.7
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	20	0.71	0.04	0.7
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	20	0.71	0.04	0.7
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	20	0.71	0.04	0.72
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	20	0.71	0.18	0.68
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	20	0.71	0.18	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	20	0.7	0.03	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	20	0.7	0.03	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	20	0.7	0.03	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	20	0.7	0.06	0.7
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	20	0.7	0.06	0.7
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	20	0.7	0.06	0.7
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	20	0.7	0.18	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	20	0.7	0.18	0.68
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	20	0.7	0.18	0.68
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	20	0.7	0.18	0.68
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	20	0.7	0.18	0.68
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	20	0.7	0.18	0.68
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	20	0.7	0.06	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	20	0.7	0.06	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	20	0.7	0.06	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	20	0.7	0.06	0.69
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	20	0.7	0.3	0.6
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	20	0.7	0.3	0.6
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	20	0.7	0.3	0.6
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	20	0.7	0.08	0.69
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	0.7	0.38	0.64
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	0.7	0.38	0.64
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	0.7	0.38	0.64
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	20	0.7	0.09	0.7
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	20	0.7	0.09	0.7
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	20	0.7	0.09	0.7
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	20	0.69	0.69	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	20	0.69	0.69	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	20	0.69	0.69	0.26
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	20	0.69	0.18	0.76
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	20	0.69	0.18	0.76
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	20	0.69	0.18	0.76
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	20	0.69	0.15	0.68
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	20	0.69	0.15	0.68
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	20	0.69	0.18	0.68
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	20	0.69	0.18	0.68
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	20	0.69	0.18	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.69	0.01	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.69	0.01	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	20	0.69	0.03	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	20	0.69	0.01	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	20	0.69	0.01	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	20	0.69	0.01	0.69
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	20	0.69	0.13	0.7
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	20	0.69	0.51	0.5
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	20	0.69	0.51	0.5
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	20	0.69	0.15	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	20	0.69	0.15	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	20	0.69	0.15	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	20	0.69	0.15	0.75
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	0.69	0.09	0.67
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	0.69	0.09	0.67
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	20	0.69	0.15	0.73
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	20	0.69	0.23	0.66
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	20	0.69	0.23	0.66
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	20	0.69	0.09	0.73
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	20	0.69	0.17	0.66
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	20	0.69	0.17	0.66
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	20	0.69	0.17	0.66
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	20	0.68	0.06	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	20	0.68	0.06	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	20	0.68	0.06	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	20	0.68	0.06	0.68
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	20	0.68	0.27	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	20	0.68	0.27	0.66
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	20	0.68	0.04	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	20	0.68	0.04	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	20	0.68	0.04	0.68
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	0.68	0.22	0.76
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	0.68	0.22	0.76
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	0.68	0.22	0.76
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	20	0.68	0.05	0.7
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	20	0.68	0.01	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	20	0.68	0.01	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	20	0.68	0.01	0.68
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	20	0.68	0.03	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.68	0.02	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.68	0.02	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.68	0.02	0.67
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	20	0.68	0.04	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	20	0.68	0.04	0.69
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	20	0.68	0.24	0.5
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	20	0.68	0.38	0.53
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	20	0.68	0.38	0.53
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	20	0.68	0.38	0.53
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	20	0.67	0.3	0.56
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	20	0.67	0.3	0.56
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	20	0.67	0.02	0.68
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	20	0.67	0.05	0.67
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.67	0.05	0.68
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.67	0.05	0.68
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.67	0.05	0.68
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	0.67	0.43	0.72
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	20	0.67	0.38	0.56
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	20	0.67	0.27	0.72
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	20	0.67	0.27	0.72
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	20	0.67	0.02	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	20	0.67	0.02	0.66
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	20	0.67	0.02	0.68
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	0.67	0.05	0.68
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	0.67	0.05	0.68
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	0.67	0.05	0.68
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	20	0.67	0.01	0.67
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	20	0.67	0.11	0.63
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	20	0.67	0.11	0.63
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	20	0.67	0.03	0.66
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	20	0.67	0.1	0.59
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	20	0.67	0.17	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	20	0.67	0.17	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	20	0.67	0.17	0.6
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	20	0.66	0.14	0.62
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	20	0.66	0.09	0.64
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	20	0.66	0.02	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	20	0.66	0.02	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	20	0.66	0.02	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	20	0.66	0.02	0.65
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	20	0.66	0.42	0.66
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	20	0.66	0.02	0.67
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	20	0.66	0.09	0.66
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	20	0.66	0.09	0.66
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	20	0.66	0.09	0.66
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	20	0.66	0.08	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	20	0.66	0.08	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	20	0.66	0.08	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	20	0.66	0.08	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	20	0.66	0.08	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	20	0.66	0.08	0.65
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	20	0.65	0.14	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	20	0.65	0.14	0.7
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	20	0.65	0.15	0.64
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	0.65	0.15	0.68
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	20	0.65	0.16	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	20	0.65	0.16	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	20	0.65	0.16	0.64
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	20	0.65	0.04	0.64
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.65	0.26	0.62
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.65	0.26	0.62
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.65	0.26	0.62
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	20	0.65	0.26	0.52
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	20	0.65	0.26	0.52
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	20	0.65	0.26	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	20	0.65	0.26	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	20	0.65	0.26	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	20	0.65	0.26	0.61
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	20	0.64	0.04	0.63

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	20	0.64	0.04	0.63
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	20	0.64	0.11	0.72
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	20	0.64	0.02	0.63
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	20	0.64	0.05	0.63
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	20	0.64	0.05	0.63
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	20	0.64	0.05	0.63
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	20	0.64	0.04	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	20	0.64	0.07	0.66
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	20	0.64	0.07	0.66
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	20	0.64	0.07	0.66
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	20	0.64	0.07	0.66
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	20	0.64	0.09	0.64
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	20	0.64	0.09	0.64
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	20	0.64	0.09	0.64
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	20	0.64	0.09	0.64
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	20	0.64	0.09	0.64
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	20	0.64	0.09	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	20	0.64	0.02	0.64
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	20	0.64	0.18	0.72
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	20	0.64	0.18	0.72
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	20	0.64	0.02	0.64
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	20	0.63	0.15	0.61
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	20	0.63	0.07	0.62
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	20	0.63	0.18	0.62
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	20	0.63	0.18	0.62
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	20	0.63	0.18	0.62
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	20	0.63	0.18	0.62
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	20	0.63	0.18	0.62
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	20	0.63	0.18	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	20	0.63	0.01	0.63
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	20	0.63	0.09	0.6
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	20	0.63	0.09	0.6
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	20	0.63	0.09	0.6
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	20	0.63	0.09	0.6
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	20	0.63	0.09	0.6
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	20	0.63	0.09	0.6
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	20	0.63	0.02	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	20	0.63	0.02	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	20	0.63	0.02	0.63
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	20	0.63	0.31	0.86
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	20	0.63	0.31	0.86
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	20	0.63	0.03	0.62

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	20	0.63	0.03	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	20	0.63	0.03	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	20	0.63	0.03	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	20	0.63	0.03	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	20	0.63	0.03	0.62
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	20	0.63	0.15	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	20	0.63	0.15	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	20	0.63	0.15	0.65
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.62	0.17	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.62	0.17	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.62	0.17	0.56
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	20	0.62	0.02	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	20	0.62	0.02	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	20	0.62	0.05	0.62
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	20	0.62	0.17	0.6
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	20	0.62	0.17	0.6
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	20	0.62	0.17	0.6
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	20	0.62	0.21	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	20	0.62	0.21	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	20	0.62	0.21	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	20	0.62	0.21	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	20	0.62	0.21	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	20	0.62	0.21	0.58
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	20	0.62	0.08	0.61
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	20	0.62	0.07	0.61
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	20	0.62	0.08	0.62
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	20	0.62	0.41	0.46
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	20	0.62	0.41	0.46
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	20	0.62	0.07	0.62
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	20	0.61	0.28	0.62
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	20	0.61	0.03	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	20	0.61	0.03	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	20	0.61	0.03	0.6
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	20	0.61	0.2	0.64
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	20	0.61	0.06	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	20	0.61	0.12	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	20	0.61	0.12	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	20	0.61	0.12	0.63
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	20	0.6	0.25	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	20	0.6	0.25	0.74
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	20	0.6	0.01	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	20	0.6	0.01	0.6
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	20	0.6	0.04	0.6
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	20	0.6	0.04	0.6
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	20	0.6	0.05	0.59
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	20	0.6	0.05	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	20	0.6	0.02	0.59
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	20	0.6	0.1	0.6
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	20	0.6	0.1	0.6
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	20	0.6	0.31	0.68
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	20	0.6	0.31	0.68
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	20	0.6	0.31	0.68
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	20	0.6	0.28	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	20	0.6	0.28	0.54

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	20	0.6	0.28	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	20	0.6	0.28	0.54
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	20	0.6	0.02	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	20	0.6	0.02	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	20	0.6	0.02	0.59
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	20	0.6	0.05	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	20	0.6	0.05	0.6
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	20	0.59	0.02	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	20	0.59	0.02	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	20	0.59	0.01	0.59
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	20	0.59	0.03	0.6
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	20	0.59	0.11	0.68
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	20	0.59	0.06	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	20	0.59	0.06	0.6
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	20	0.59	0.05	0.58
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	20	0.59	0.05	0.58
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	20	0.59	0.05	0.58
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	20	0.59	0.03	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	20	0.59	0.03	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	20	0.58	0.02	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	20	0.58	0.06	0.6
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	20	0.58	0.04	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	0.58	0.1	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	0.58	0.1	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	0.58	0.1	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	20	0.58	0.08	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	20	0.58	0.08	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	20	0.58	0.08	0.56
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	20	0.58	0.32	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	20	0.58	0.32	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	20	0.58	0.32	0.55
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	20	0.57	0.29	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	20	0.57	0.29	0.41
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	20	0.57	0.36	0.45
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	20	0.57	0.36	0.45
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	20	0.57	0.36	0.45
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	20	0.57	0.05	0.57
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	20	0.57	0.09	0.6
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	20	0.57	0.09	0.6
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	20	0.57	0.09	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	20	0.57	0.12	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	20	0.57	0.12	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	20	0.57	0.12	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	20	0.57	0.12	0.6
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	20	0.57	0.2	0.64
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	20	0.57	0.02	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	20	0.57	0.02	0.57
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	20	0.57	0.23	0.56
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	20	0.57	0.23	0.56
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	20	0.57	0.23	0.56
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	20	0.56	0.04	0.56
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	20	0.56	0.05	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	20	0.56	0.01	0.56
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	20	0.56	0.18	0.6
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	20	0.56	0.18	0.6
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	20	0.56	0.18	0.6
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	20	0.56	0.18	0.6
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	20	0.56	0.18	0.6
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	20	0.56	0.18	0.6
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	20	0.56	0.16	0.58
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	20	0.56	0.16	0.58
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	20	0.56	0.16	0.58
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	20	0.56	0.12	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	20	0.56	0.12	0.59
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	20	0.56	0.07	0.54
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	20	0.56	0.05	0.57
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	20	0.56	0.05	0.54
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	20	0.55	0.05	0.57
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	20	0.55	0.05	0.57
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	20	0.55	0.25	0.51
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	20	0.55	0.04	0.56
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	20	0.55	0.07	0.55
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.55	0.2	0.52
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.55	0.2	0.52
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	20	0.55	0.01	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	20	0.55	0.01	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	20	0.55	0.01	0.55

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	20	0.55	0.05	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	20	0.55	0.05	0.55
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	20	0.55	0.04	0.57
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	20	0.55	0.02	0.55
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	20	0.54	0.15	0.52
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	20	0.54	0.15	0.52
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	20	0.54	0.15	0.52
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	20	0.54	0.15	0.52
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	20	0.54	0.15	0.52
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	20	0.54	0.15	0.52
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	20	0.54	0.14	0.46
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	20	0.54	0.15	0.52
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	20	0.54	0.07	0.54
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	20	0.54	0.25	0.42
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	20	0.54	0.25	0.42
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	20	0.54	0.15	0.62
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	20	0.54	0.15	0.62
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	20	0.53	0.22	0.51
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	20	0.53	0.22	0.51
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	20	0.53	0.22	0.51
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	20	0.53	0.22	0.46
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	20	0.53	0.19	0.66
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	20	0.53	0.12	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	20	0.53	0.09	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	20	0.53	0.09	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	20	0.53	0.09	0.52
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	20	0.53	0.06	0.52
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	20	0.53	0.06	0.52
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	20	0.53	0.06	0.52
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	20	0.53	0.08	0.53
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	20	0.53	0.04	0.56
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	20	0.52	0.12	0.48
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	20	0.52	0.02	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	20	0.52	0.02	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	20	0.52	0.02	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	20	0.52	0.02	0.52
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	20	0.52	0.04	0.53
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	20	0.52	0.06	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	20	0.52	0.06	0.5
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	20	0.52	0.11	0.55
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	20	0.52	0.11	0.55
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	20	0.52	0.07	0.54
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	20	0.52	0.07	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	20	0.52	0.07	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	20	0.52	0.07	0.54
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	20	0.52	0.02	0.52
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	20	0.51	0.03	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	20	0.51	0.03	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	20	0.51	0.03	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	20	0.51	0.03	0.52
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	20	0.51	0.12	0.47
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	20	0.51	0.12	0.47

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	20	0.51	0.12	0.47
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	20	0.51	0.12	0.47
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	20	0.51	0.12	0.47
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	20	0.51	0.12	0.47
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.51	0.07	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.51	0.07	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	0.51	0.07	0.51
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	20	0.51	0.16	0.57
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	20	0.51	0.16	0.57
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	20	0.51	0.04	0.51
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	20	0.51	0.14	0.54
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	20	0.51	0.08	0.55
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	20	0.51	0.12	0.48
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	20	0.51	0.12	0.48
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	20	0.51	0.12	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	20	0.51	0.12	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	20	0.51	0.12	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	20	0.51	0.12	0.48
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	20	0.51	0.03	0.51
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	20	0.51	0.05	0.49
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	20	0.5	0.16	0.47
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	20	0.5	0.16	0.47
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	20	0.5	0.19	0.45
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	20	0.5	0.19	0.45
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	20	0.5	0.03	0.5
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	20	0.5	0.17	0.54
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	20	0.5	0.17	0.54
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	20	0.5	0.1	0.51
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	20	0.5	0.03	0.5
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	20	0.5	0.1	0.49
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	20	0.5	0.06	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	20	0.5	0.06	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	20	0.5	0.01	0.5
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	20	0.5	0.14	0.48
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	0.5	0.15	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	0.5	0.15	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	0.5	0.15	0.45
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	20	0.49	0.03	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.49	0.05	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.49	0.05	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.49	0.05	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.49	0.05	0.5
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	20	0.49	0.02	0.49
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	20	0.49	0.06	0.49
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	20	0.49	0.27	0.54
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	20	0.49	0.27	0.54
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	20	0.49	0.27	0.54
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	20	0.49	0.05	0.5
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	20	0.49	0.16	0.45
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	20	0.49	0.16	0.45
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	20	0.49	0.16	0.45
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	20	0.49	0.16	0.45
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	20	0.49	0.16	0.45
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	20	0.49	0.16	0.45
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	20	0.49	0.04	0.5
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	20	0.49	0.09	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	20	0.49	0.06	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	20	0.49	0.06	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	20	0.49	0.06	0.5
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	20	0.49	0.07	0.5
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	20	0.49	0.13	0.46
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	20	0.49	0.13	0.46
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	20	0.49	0.13	0.46
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	20	0.48	0.08	0.48
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	20	0.48	0.08	0.48
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	20	0.48	0.08	0.48
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	20	0.48	0.12	0.5
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	20	0.48	0.12	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.48	0.04	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.48	0.04	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.48	0.04	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.48	0.04	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.48	0.04	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.48	0.04	0.48
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	20	0.48	0.07	0.5
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	20	0.48	0.21	0.46
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	20	0.48	0.21	0.46
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	20	0.48	0.01	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	20	0.48	0.1	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	20	0.48	0.1	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	20	0.48	0.1	0.48
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	20	0.47	0.16	0.4
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	20	0.47	0.21	0.4
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	20	0.47	0.21	0.4
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	20	0.47	0.21	0.4
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	20	0.47	0.03	0.47
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	20	0.47	0.11	0.48
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	20	0.47	0.11	0.48
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	20	0.47	0.11	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	20	0.47	0.05	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	20	0.47	0.05	0.48
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	20	0.47	0.05	0.46
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.47	0.05	0.46
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	20	0.47	0.05	0.46
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	20	0.47	0.35	0.3
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	20	0.47	0.27	0.41
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	20	0.47	0.27	0.41
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	20	0.47	0.27	0.41
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	20	0.47	0.27	0.41
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	20	0.47	0.27	0.41
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	20	0.47	0.27	0.41
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	20	0.47	0.17	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	20	0.47	0.17	0.44
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	20	0.47	0.26	0.43
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	0.46	0.15	0.48
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	0.46	0.15	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	20	0.46	0.06	0.48
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	20	0.46	0.06	0.48
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	20	0.46	0.06	0.48
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	20	0.46	0.29	0.33
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	20	0.46	0.02	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	20	0.46	0.02	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	20	0.46	0.02	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	20	0.46	0.0	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	20	0.46	0.0	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	20	0.46	0.0	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	20	0.46	0.01	0.46
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	20	0.46	0.04	0.46
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	20	0.46	0.1	0.42
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	20	0.46	0.1	0.42
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	20	0.46	0.1	0.42
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	20	0.46	0.04	0.46
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	20	0.46	0.04	0.46
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	20	0.46	0.04	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	20	0.46	0.01	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.45	0.04	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	0.45	0.04	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.45	0.04	0.46
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	20	0.45	0.12	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	20	0.45	0.12	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	20	0.45	0.12	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	20	0.45	0.12	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	20	0.45	0.12	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	20	0.45	0.12	0.49
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	20	0.45	0.04	0.44
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	20	0.45	0.03	0.44
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	20	0.45	0.02	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	20	0.45	0.11	0.43
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	20	0.45	0.11	0.43
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	20	0.45	0.11	0.43
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	20	0.45	0.07	0.44
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	20	0.44	0.06	0.44
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	20	0.44	0.07	0.44
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	20	0.44	0.02	0.44
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	20	0.44	0.05	0.45
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	20	0.44	0.16	0.41
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	20	0.44	0.16	0.41
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	20	0.44	0.16	0.41

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	20	0.44	0.16	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	20	0.44	0.05	0.42
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	20	0.44	0.03	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	20	0.44	0.03	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	20	0.44	0.03	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	20	0.44	0.03	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	20	0.43	0.03	0.44
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	20	0.43	0.17	0.44
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	20	0.43	0.15	0.44
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	20	0.43	0.02	0.42
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	20	0.43	0.13	0.44
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	20	0.43	0.13	0.44
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	20	0.43	0.13	0.44
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	20	0.43	0.03	0.44
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	20	0.43	0.05	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	20	0.43	0.05	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	20	0.43	0.05	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	20	0.43	0.05	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	20	0.43	0.05	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	20	0.43	0.05	0.46
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	20	0.43	0.16	0.41
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	20	0.43	0.05	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	20	0.43	0.04	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	20	0.43	0.04	0.42
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	20	0.43	0.07	0.44
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	20	0.42	0.12	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	20	0.42	0.12	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	20	0.42	0.12	0.4
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	20	0.42	0.02	0.42
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	20	0.42	0.07	0.42
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	20	0.42	0.12	0.48
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	20	0.41	0.22	0.36
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	20	0.41	0.22	0.36
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	20	0.41	0.22	0.36
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	20	0.41	0.09	0.44
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	20	0.41	0.15	0.4
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	20	0.41	0.15	0.4
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	20	0.41	0.05	0.42
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	20	0.41	0.07	0.4
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	20	0.41	0.02	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	20	0.41	0.02	0.41
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	20	0.41	0.09	0.44

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	20	0.41	0.01	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	20	0.41	0.03	0.41
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	20	0.41	0.04	0.38
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	20	0.4	0.05	0.42
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	20	0.4	0.11	0.38
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	20	0.4	0.11	0.38
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	20	0.4	0.08	0.38
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	20	0.4	0.08	0.38
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	20	0.4	0.03	0.39
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	20	0.4	0.06	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	20	0.4	0.06	0.42
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	20	0.4	0.06	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	20	0.4	0.01	0.39
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	20	0.39	0.05	0.37
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	20	0.39	0.02	0.4
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	20	0.39	0.04	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	20	0.39	0.04	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	20	0.39	0.08	0.38
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	20	0.39	0.08	0.38
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	20	0.39	0.08	0.38
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	20	0.38	0.05	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	20	0.38	0.0	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	20	0.38	0.0	0.38
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	20	0.38	0.04	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	20	0.38	0.04	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	20	0.38	0.04	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	20	0.38	0.04	0.36
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	20	0.38	0.07	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	20	0.38	0.04	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	20	0.38	0.03	0.38
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	20	0.38	0.03	0.38
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	20	0.38	0.1	0.36
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	20	0.38	0.03	0.38
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	20	0.38	0.21	0.23
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	20	0.38	0.18	0.39
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	20	0.38	0.18	0.39
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	20	0.38	0.18	0.39

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	20	0.38	0.04	0.37
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	20	0.38	0.05	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	20	0.38	0.03	0.38
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	20	0.38	0.04	0.38
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	20	0.38	0.04	0.38
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	20	0.37	0.19	0.3
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	20	0.37	0.02	0.38
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	20	0.37	0.03	0.37
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	20	0.37	0.18	0.26
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	20	0.37	0.18	0.26
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	20	0.37	0.18	0.26
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	20	0.37	0.18	0.26
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	20	0.37	0.18	0.26
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	20	0.37	0.18	0.26
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	20	0.37	0.08	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	20	0.37	0.08	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	20	0.37	0.08	0.35
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	20	0.37	0.18	0.3
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	20	0.36	0.05	0.36
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	20	0.36	0.05	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	20	0.36	0.02	0.36
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	20	0.36	0.11	0.38
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	20	0.36	0.11	0.38
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	20	0.36	0.09	0.35
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	20	0.36	0.09	0.35
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	20	0.36	0.09	0.35
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	20	0.36	0.13	0.34
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	20	0.36	0.13	0.34
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	20	0.36	0.13	0.34
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	20	0.35	0.19	0.29
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	20	0.35	0.19	0.29
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	20	0.35	0.19	0.29
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	20	0.35	0.0	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	20	0.35	0.0	0.35
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	20	0.35	0.08	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	0.35	0.15	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	0.35	0.15	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	0.35	0.15	0.3
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	20	0.34	0.06	0.32
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	20	0.34	0.07	0.39
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	20	0.34	0.03	0.34
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	20	0.34	0.03	0.34
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	20	0.34	0.03	0.34
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	20	0.33	0.03	0.32
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	20	0.33	0.33	0.22
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	20	0.33	0.05	0.32
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.33	0.05	0.32
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	20	0.33	0.05	0.32
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	20	0.33	0.02	0.33
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	20	0.33	0.07	0.34
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	20	0.33	0.04	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	20	0.33	0.04	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	20	0.33	0.04	0.31
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	20	0.32	0.03	0.32
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	20	0.32	0.23	0.28
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	20	0.32	0.35	0.24
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	20	0.32	0.35	0.24
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	20	0.32	0.22	0.16
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	20	0.32	0.22	0.16
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	20	0.32	0.11	0.26
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	20	0.32	0.11	0.26
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	20	0.32	0.01	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	20	0.32	0.01	0.32
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	20	0.31	0.05	0.3
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	20	0.31	0.05	0.32
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	20	0.31	0.07	0.31
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	20	0.31	0.07	0.31
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	20	0.31	0.09	0.35
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	20	0.31	0.09	0.35
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	20	0.31	0.09	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	20	0.31	0.05	0.33
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	20	0.31	0.08	0.32
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	20	0.31	0.08	0.32
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	20	0.31	0.08	0.32
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	20	0.31	0.05	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	20	0.31	0.05	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	20	0.31	0.05	0.3
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	20	0.31	0.23	0.27

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	20	0.31	0.23	0.27
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	20	0.31	0.05	0.3
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	20	0.3	0.03	0.31
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	20	0.3	0.03	0.3
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	20	0.3	0.03	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.3	0.07	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.3	0.07	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	0.3	0.07	0.3
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	20	0.3	0.07	0.32
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	20	0.3	0.03	0.3
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	20	0.3	0.03	0.3
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	20	0.3	0.03	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	20	0.3	0.01	0.3
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	20	0.3	0.06	0.29
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	20	0.3	0.13	0.23
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	20	0.3	0.06	0.32
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	20	0.3	0.01	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	20	0.3	0.01	0.3
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	20	0.29	0.12	0.25
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	20	0.29	0.04	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	20	0.29	0.04	0.28
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	20	0.29	0.0	0.29
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	20	0.29	0.03	0.29
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	20	0.29	0.11	0.22
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	20	0.29	0.11	0.22
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	20	0.29	0.04	0.3
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	20	0.29	0.0	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	20	0.29	0.0	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	20	0.29	0.0	0.29
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	20	0.29	0.05	0.28
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	20	0.29	0.05	0.28
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	20	0.29	0.01	0.29
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	20	0.29	0.09	0.26
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	20	0.29	0.09	0.26
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	20	0.29	0.09	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	20	0.29	0.09	0.26
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	20	0.29	0.09	0.26
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	20	0.29	0.09	0.26
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	20	0.28	0.05	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	20	0.28	0.01	0.29
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	20	0.28	0.06	0.28
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	20	0.28	0.06	0.28
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	20	0.28	0.06	0.28
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	20	0.28	0.05	0.29
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	20	0.28	0.1	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	20	0.28	0.1	0.22
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	20	0.28	0.08	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	20	0.28	0.08	0.27
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	20	0.27	0.08	0.26
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	20	0.27	0.08	0.26
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	20	0.27	0.08	0.26
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	20	0.27	0.07	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	20	0.27	0.07	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	20	0.27	0.07	0.27
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	20	0.27	0.02	0.27
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	20	0.26	0.08	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	20	0.26	0.01	0.26

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	20	0.26	0.01	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	20	0.26	0.01	0.26
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	20	0.26	0.07	0.28
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	20	0.26	0.07	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	20	0.25	0.05	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	20	0.25	0.05	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	20	0.25	0.04	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	20	0.25	0.04	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	20	0.25	0.04	0.25
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	20	0.25	0.04	0.26
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	20	0.25	0.05	0.24
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	20	0.25	0.01	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	20	0.25	0.02	0.25
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	20	0.25	0.04	0.24
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	20	0.24	0.06	0.24
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	20	0.24	0.06	0.24
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	20	0.24	0.11	0.24
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	20	0.24	0.11	0.24
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	20	0.24	0.04	0.25
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	20	0.24	0.03	0.24
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	20	0.24	0.03	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	20	0.24	0.01	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	20	0.24	0.02	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	20	0.24	0.02	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	20	0.24	0.02	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	20	0.24	0.02	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	20	0.24	0.02	0.23
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.23	0.04	0.24
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	20	0.23	0.06	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.23	0.0	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.23	0.0	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.23	0.0	0.23
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	20	0.23	0.04	0.23
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	20	0.23	0.04	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.23	0.03	0.24
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.23	0.03	0.24

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.23	0.03	0.24
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	20	0.23	0.04	0.24
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	20	0.23	0.04	0.22
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	20	0.23	0.03	0.23
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	20	0.23	0.07	0.22
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	20	0.23	0.05	0.24
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	20	0.23	0.15	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	20	0.23	0.15	0.15
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	20	0.23	0.03	0.25
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	20	0.22	0.06	0.2
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	20	0.22	0.04	0.22
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	20	0.22	0.04	0.22
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	20	0.22	0.11	0.18
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	20	0.22	0.01	0.22
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	20	0.22	0.02	0.22
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	0.22	0.02	0.2
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.22	0.17	0.16
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.22	0.17	0.16
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.22	0.17	0.16
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	20	0.21	0.01	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	20	0.21	0.01	0.21
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	20	0.21	0.02	0.21
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	20	0.21	0.02	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	20	0.21	0.0	0.21
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	20	0.21	0.03	0.22
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	20	0.21	0.01	0.21
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	20	0.21	0.09	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	20	0.21	0.09	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	20	0.21	0.09	0.16
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	20	0.21	0.03	0.21
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	20	0.21	0.03	0.21
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	20	0.21	0.03	0.21
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	20	0.2	0.03	0.2
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	20	0.2	0.06	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	20	0.19	0.05	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	20	0.19	0.05	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	20	0.19	0.05	0.17
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	20	0.19	0.0	0.19
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	20	0.19	0.03	0.2
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	20	0.19	0.03	0.19
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	20	0.19	0.03	0.19
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	20	0.19	0.03	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	20	0.18	0.03	0.18
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	20	0.18	0.04	0.16
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	20	0.17	0.06	0.15
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	20	0.17	0.05	0.16
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	20	0.17	0.05	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	20	0.16	0.02	0.16
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	20	0.16	0.01	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	20	0.15	0.01	0.15
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	20	0.15	0.02	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	20	0.15	0.02	0.15
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	20	0.12	0.02	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.11	0.0	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.11	0.0	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.11	0.0	0.11
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	19	1.88	0.24	2.0
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	19	1.88	0.24	2.0
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	19	1.75	0.25	1.77
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	19	1.75	0.25	1.77
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	19	1.7	0.69	1.99
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	19	1.7	0.69	1.99
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	19	1.7	0.69	1.99
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	19	1.7	0.69	1.99
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	19	1.67	0.71	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	19	1.67	0.71	1.94
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	19	1.59	0.37	1.51
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	19	1.59	0.37	1.51
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	19	1.59	0.37	1.51
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	19	1.59	0.37	1.51
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	19	1.37	0.66	1.34
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	19	1.36	0.33	1.35
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	19	1.36	0.33	1.35
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	19	1.36	0.33	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	19	1.36	0.33	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	19	1.36	0.33	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	19	1.36	0.33	1.35

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	19	1.24	0.13	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	19	1.24	0.13	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	19	1.24	0.13	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	19	1.24	0.13	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	19	1.24	0.13	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	19	1.24	0.13	1.29
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	19	1.23	0.48	1.27
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	19	1.23	0.48	1.27
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	19	1.23	0.48	1.27
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	19	1.23	0.48	1.27
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	19	1.23	0.48	1.27
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	19	1.23	0.48	1.27
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	19	1.18	0.43	1.21
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	19	1.18	0.43	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	19	1.18	0.43	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	19	1.18	0.43	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	19	1.18	0.43	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	19	1.18	0.43	1.21
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	19	1.16	0.3	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	19	1.16	0.3	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	19	1.16	0.3	1.25
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	19	1.16	0.3	1.25
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	19	1.12	0.25	1.2
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	19	1.12	0.25	1.2
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	19	1.12	0.25	1.2
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	19	1.12	0.25	1.2
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	19	1.12	0.25	1.2
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	19	1.12	0.25	1.2
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	19	1.09	0.42	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	19	1.09	0.42	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	19	1.09	0.42	1.06
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	19	1.09	0.42	1.06
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	19	1.08	0.6	1.03
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	19	1.08	0.6	1.03
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	19	1.08	0.6	1.03
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	19	1.08	0.24	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	19	1.08	0.24	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	19	1.08	0.24	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	19	1.08	0.24	1.1
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	19	1.07	0.4	1.11
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	19	1.07	0.4	1.11
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	19	1.07	0.4	1.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	19	1.03	0.63	1.1
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	19	1.03	0.63	1.1
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	19	1.01	0.3	1.03
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	19	1.01	0.3	1.03
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	19	1.0	0.63	0.91
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	19	1.0	0.63	0.91
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	19	1.0	0.63	0.91
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	19	1.0	0.63	0.91
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	19	1.0	0.63	0.91
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	19	1.0	0.63	0.91
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	19	0.99	0.39	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	19	0.99	0.39	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	19	0.99	0.39	1.19
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	19	0.99	0.66	0.9
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	19	0.99	0.66	0.9
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	19	0.99	0.33	0.79
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	19	0.99	0.33	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	19	0.99	0.33	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	19	0.99	0.33	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	19	0.99	0.33	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	19	0.99	0.33	0.79
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	19	0.98	0.35	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	19	0.98	0.35	1.07
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	19	0.98	0.53	1.0
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	19	0.98	0.53	1.0
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	19	0.98	0.53	1.0
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	19	0.97	0.07	1.01
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	19	0.96	0.45	1.15
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	19	0.96	0.45	1.15
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	19	0.95	0.35	1.17
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	19	0.95	0.35	1.17
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	19	0.95	0.24	1.08
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	19	0.92	0.91	0.36
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	19	0.92	0.91	0.36
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	19	0.91	0.33	0.99

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	19	0.91	0.33	0.99
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	19	0.9	0.33	0.85
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	19	0.9	0.33	0.85
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	19	0.9	0.33	0.85
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	19	0.9	0.33	0.85
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	19	0.9	0.33	0.85
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	19	0.9	0.33	0.85
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	19	0.88	0.29	1.01
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	19	0.88	0.29	1.01
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	19	0.88	0.09	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	19	0.88	0.09	0.89
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	19	0.88	0.09	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	19	0.88	0.09	0.89
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	19	0.88	0.1	0.87
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	19	0.88	0.1	0.87
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	19	0.88	0.1	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	19	0.88	0.1	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	19	0.88	0.1	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	19	0.88	0.1	0.87
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	19	0.82	0.45	0.78
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	19	0.82	0.45	0.78
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	19	0.82	0.45	0.78
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	19	0.79	0.15	0.79
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	19	0.79	0.15	0.79
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	19	0.75	0.67	0.39
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	19	0.7	0.18	0.76
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	19	0.7	0.18	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	19	0.7	0.18	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	19	0.7	0.18	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	19	0.7	0.18	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	19	0.7	0.18	0.76
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	19	0.7	0.48	0.55
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	19	0.69	0.43	0.53
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	19	0.69	0.43	0.53
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	19	0.69	0.43	0.53
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	19	0.65	0.22	0.7
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	19	0.65	0.22	0.7
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	19	0.64	0.19	0.6
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	19	0.63	0.18	0.58
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	19	0.63	0.18	0.58
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	19	0.63	0.18	0.58
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	19	0.59	0.23	0.52

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	19	0.59	0.23	0.52
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	19	0.59	0.23	0.52
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	19	0.57	0.36	0.4
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	19	0.57	0.36	0.4
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	19	0.57	0.36	0.4
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	19	0.53	0.24	0.53
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	19	0.53	0.24	0.53
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	19	0.53	0.18	0.53
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	19	0.53	0.23	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	19	0.53	0.23	0.54
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	19	0.52	0.07	0.55
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	19	0.52	0.07	0.55
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	19	0.49	0.17	0.47
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	19	0.49	0.17	0.47
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	19	0.49	0.17	0.47
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	19	0.48	0.13	0.45
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	19	0.48	0.13	0.45
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	19	0.47	0.46	0.28
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	19	0.46	0.15	0.52
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	19	0.41	0.15	0.4
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	19	0.41	0.15	0.4
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	19	0.41	0.15	0.4
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	19	0.41	0.15	0.4
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	19	0.41	0.15	0.4
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	19	0.41	0.15	0.4
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	19	0.41	0.18	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	19	0.41	0.18	0.38
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	19	0.4	0.08	0.38
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	19	0.39	0.14	0.35
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	19	0.39	0.13	0.39
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	19	0.39	0.13	0.39
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	19	0.39	0.13	0.39
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	19	0.36	0.08	0.34
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	19	0.36	0.09	0.37
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	19	0.34	0.23	0.25
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	19	0.32	0.07	0.34
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	19	0.28	0.13	0.27
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	19	0.27	0.08	0.25
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	19	0.27	0.11	0.24
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	19	0.26	0.09	0.27
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	19	0.26	0.09	0.22
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	19	0.25	0.08	0.25
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	19	0.23	0.02	0.24
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	19	0.21	0.02	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	19	0.2	0.08	0.21
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	19	0.2	0.08	0.21
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	19	0.2	0.08	0.21
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	19	0.18	0.04	0.18
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	19	0.18	0.04	0.18
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	19	0.16	0.04	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	19	0.16	0.04	0.15
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	19	0.16	0.04	0.16
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	19	0.15	0.02	0.15
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	19	0.13	0.04	0.12
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	18	2.56	0.14	2.6
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	18	2.56	0.14	2.6
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	18	2.56	0.14	2.6
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	18	1.38	0.39	1.38
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	18	1.38	0.39	1.38
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	18	1.38	0.39	1.38
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	18	1.38	0.39	1.38
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	18	1.38	0.39	1.38
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	18	1.38	0.39	1.38
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	18	1.36	0.62	1.63
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	18	1.36	0.62	1.63
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	18	1.36	0.62	1.63
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	18	1.36	0.62	1.63
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	18	1.34	0.73	1.33

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	18	1.34	0.73	1.33
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	18	1.18	0.07	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	18	1.18	0.07	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	18	1.18	0.07	1.17
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	18	1.17	0.43	1.25
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	18	1.17	0.43	1.25
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	18	1.17	0.43	1.25
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	18	1.17	0.43	1.25
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	18	1.17	0.43	1.25
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	18	1.17	0.43	1.25
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	18	1.05	0.47	1.06
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	18	1.05	0.47	1.06
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	18	1.05	0.65	1.04
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	18	1.05	0.65	1.04
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	18	1.05	0.65	1.04
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	18	1.05	0.65	1.04
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	18	1.05	0.65	1.04
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	18	1.05	0.65	1.04
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	18	1.0	0.27	0.99
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	18	1.0	0.27	0.99
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	18	1.0	0.27	0.99
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	18	1.0	0.27	0.99
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	18	1.0	0.27	0.99
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	18	1.0	0.27	0.99
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	18	0.93	0.37	0.92
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	18	0.93	0.37	0.92
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	18	0.92	0.25	0.99
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	18	0.92	0.25	0.99
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	18	0.92	0.25	0.99
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	18	0.86	0.52	0.85
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	18	0.86	0.52	0.85
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	18	0.86	0.52	0.85
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	18	0.86	0.52	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	18	0.85	0.03	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	18	0.85	0.03	0.85

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	18	0.81	0.26	0.79
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	18	0.81	0.26	0.79
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	18	0.81	0.26	0.79
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	18	0.74	0.34	0.9
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	18	0.74	0.34	0.9
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	18	0.74	0.34	0.9
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	18	0.74	0.34	0.9
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	18	0.74	0.34	0.9
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	18	0.74	0.34	0.9
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	18	0.69	0.37	0.62
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	18	0.69	0.37	0.62
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	18	0.68	0.37	0.71
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	18	0.68	0.37	0.71
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	18	0.68	0.27	0.72
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	18	0.68	0.27	0.72
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	18	0.68	0.27	0.72
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	18	0.65	0.56	0.42
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	18	0.65	0.56	0.42
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	18	0.6	0.15	0.57
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	18	0.51	0.19	0.55
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	18	0.51	0.19	0.55
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	18	0.47	0.24	0.46
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	18	0.47	0.24	0.46
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	18	0.47	0.24	0.46
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	18	0.47	0.21	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	18	0.47	0.21	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	18	0.47	0.21	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	18	0.47	0.21	0.53
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	18	0.47	0.15	0.46
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	18	0.45	0.07	0.48

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	18	0.45	0.07	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	18	0.45	0.07	0.48
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	18	0.41	0.18	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	18	0.41	0.18	0.38
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	18	0.39	0.12	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	18	0.39	0.12	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	18	0.39	0.12	0.42
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	18	0.38	0.18	0.32
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	18	0.38	0.18	0.32
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	18	0.38	0.18	0.32
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	18	0.37	0.18	0.35
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	18	0.32	0.19	0.32
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	18	0.32	0.19	0.32
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	18	0.32	0.19	0.32
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	18	0.32	0.19	0.32
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	18	0.32	0.13	0.35
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	18	0.32	0.14	0.29
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	18	0.32	0.14	0.29
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	18	0.3	0.13	0.3
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	18	0.3	0.13	0.3
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	18	0.3	0.13	0.3
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	18	0.3	0.09	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	18	0.28	0.08	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	18	0.28	0.08	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	18	0.28	0.08	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	18	0.28	0.11	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	18	0.28	0.11	0.3
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	18	0.27	0.14	0.24
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	18	0.27	0.14	0.24
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	18	0.27	0.14	0.24
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	18	0.26	0.13	0.21
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	18	0.26	0.13	0.21
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	18	0.24	0.06	0.22
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	18	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	18	0.22	0.06	0.22
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	18	0.22	0.06	0.22
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	18	0.19	0.05	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	18	0.19	0.05	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	18	0.19	0.05	0.18
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	18	0.19	0.04	0.19
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	18	0.19	0.04	0.19
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	18	0.19	0.04	0.19
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	18	0.17	0.03	0.16
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	18	0.16	0.05	0.14
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	18	0.16	0.05	0.14
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	18	0.16	0.05	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	18	0.16	0.05	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	18	0.16	0.05	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	18	0.16	0.05	0.14
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	18	0.14	0.03	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	18	0.13	0.0	0.13
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	17	1.69	0.55	1.83
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	17	1.69	0.55	1.83
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	17	1.55	0.37	1.61
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	17	1.55	0.37	1.61
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	17	1.24	0.7	1.27
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	17	1.24	0.7	1.27
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	17	1.19	0.45	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	17	1.19	0.45	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	17	1.19	0.45	1.28
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	17	1.01	0.67	1.35
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	17	1.01	0.67	1.35
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	17	1.01	0.67	1.35
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	17	0.75	0.22	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	17	0.75	0.22	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	17	0.75	0.22	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	17	0.75	0.22	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	17	0.75	0.22	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	17	0.75	0.22	0.76
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	17	0.73	0.3	0.69
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	17	0.73	0.3	0.69
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	17	0.66	0.41	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	17	0.66	0.41	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	17	0.66	0.41	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	17	0.66	0.41	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	17	0.66	0.41	0.6

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	17	0.66	0.41	0.6
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	17	0.59	0.34	0.47
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	17	0.59	0.34	0.47
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	17	0.55	0.18	0.59
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	17	0.55	0.18	0.59
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	17	0.55	0.18	0.59
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	17	0.55	0.18	0.59
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	17	0.55	0.18	0.59
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	17	0.55	0.18	0.59
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	17	0.53	0.28	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	17	0.53	0.28	0.58
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	17	0.49	0.48	0.24
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	17	0.49	0.48	0.24
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	17	0.49	0.48	0.24
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	17	0.49	0.15	0.45
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	17	0.49	0.15	0.45
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	17	0.42	0.34	0.32
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	17	0.42	0.34	0.32
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	17	0.42	0.34	0.32
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	17	0.41	0.17	0.49
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	17	0.41	0.06	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	17	0.41	0.06	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	17	0.41	0.06	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	17	0.41	0.06	0.42
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	17	0.38	0.17	0.34
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	17	0.38	0.17	0.34
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	17	0.38	0.17	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	17	0.38	0.17	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	17	0.38	0.17	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	17	0.38	0.17	0.34
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	17	0.38	0.1	0.41
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	17	0.38	0.1	0.41
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	17	0.3	0.08	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	17	0.3	0.08	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	17	0.3	0.08	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	17	0.29	0.12	0.25
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	17	0.29	0.12	0.25
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	17	0.29	0.12	0.25
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	17	0.21	0.01	0.21
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	17	0.21	0.08	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	17	0.21	0.08	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	17	0.21	0.08	0.2
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	17	0.19	0.05	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	17	0.19	0.05	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	17	0.19	0.05	0.17
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	17	0.17	0.04	0.17
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	17	0.17	0.04	0.17
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	17	0.17	0.04	0.17
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	17	0.16	0.02	0.16
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	17	0.16	0.03	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	17	0.16	0.02	0.15
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	17	0.15	0.03	0.15
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	16	1.41	0.1	1.37
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	16	1.41	0.1	1.37
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	16	1.3	0.49	1.48
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	16	1.3	0.49	1.48
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	16	1.14	0.1	1.14
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	16	1.14	0.1	1.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	16	1.12	0.67	1.05
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	16	1.12	0.67	1.05
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	16	1.12	0.67	1.05
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	16	1.05	0.1	1.1
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	16	1.05	0.1	1.1
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	16	1.05	0.04	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	16	1.05	0.04	1.03
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	16	0.97	0.35	1.08
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	16	0.97	0.35	1.08
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	16	0.97	0.35	1.08
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	16	0.97	0.35	1.08
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	16	0.97	0.35	1.08
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	16	0.97	0.35	1.08
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	16	0.92	0.1	0.96

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	16	0.92	0.1	0.96
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	16	0.92	0.1	0.96
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	16	0.85	0.39	0.81
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	16	0.85	0.39	0.81
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	16	0.85	0.39	0.81
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	16	0.74	0.34	0.78
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	16	0.74	0.34	0.78
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	16	0.74	0.34	0.78
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	16	0.74	0.34	0.78
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	16	0.74	0.34	0.78
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	16	0.74	0.34	0.78
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	16	0.7	0.16	0.7
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	16	0.67	0.37	0.68
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	16	0.66	0.36	0.66
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	16	0.66	0.36	0.66
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	16	0.66	0.36	0.66
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	16	0.66	0.36	0.66
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	16	0.66	0.36	0.66
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	16	0.66	0.36	0.66
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	16	0.64	0.1	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	16	0.64	0.1	0.6
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	16	0.64	0.1	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	16	0.64	0.1	0.6
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	16	0.63	0.35	0.69
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	16	0.63	0.35	0.69
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	16	0.63	0.35	0.69
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	16	0.63	0.39	0.59
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	16	0.61	0.24	0.62
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	16	0.61	0.24	0.62
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	16	0.56	0.2	0.58
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	16	0.56	0.2	0.58
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	16	0.56	0.2	0.58
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	16	0.55	0.26	0.62
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	16	0.55	0.26	0.62
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	16	0.55	0.26	0.62
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	16	0.53	0.15	0.56
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	16	0.53	0.15	0.56
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	16	0.53	0.15	0.56
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	16	0.52	0.24	0.55
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	16	0.51	0.19	0.56
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	16	0.48	0.18	0.45

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	16	0.48	0.18	0.45
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	16	0.46	0.28	0.4
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	16	0.45	0.11	0.48
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	16	0.45	0.11	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	16	0.45	0.1	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	16	0.45	0.1	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	16	0.45	0.1	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	16	0.45	0.1	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	16	0.45	0.1	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	16	0.45	0.1	0.48
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	16	0.44	0.12	0.44
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	16	0.44	0.12	0.44
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	16	0.44	0.12	0.44
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	16	0.44	0.12	0.44
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	16	0.44	0.12	0.44
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	16	0.44	0.12	0.44
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	16	0.4	0.22	0.36
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	16	0.4	0.22	0.36
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	16	0.37	0.08	0.36
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	16	0.37	0.08	0.36
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	16	0.37	0.08	0.36
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	16	0.36	0.16	0.42
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	16	0.32	0.17	0.3
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	16	0.32	0.17	0.3
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	16	0.32	0.14	0.3
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	16	0.32	0.14	0.3
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	16	0.27	0.22	0.22
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	16	0.27	0.22	0.22
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	16	0.23	0.03	0.23
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	16	0.23	0.04	0.22
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	16	0.22	0.16	0.14
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	16	0.22	0.09	0.19
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	16	0.21	0.09	0.18
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	16	0.2	0.08	0.18
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	16	0.19	0.08	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	16	0.19	0.04	0.18
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	16	0.17	0.06	0.15
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	16	0.17	0.06	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	16	0.16	0.03	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	16	0.16	0.03	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	16	0.16	0.03	0.16
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	16	0.14	0.04	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	16	0.14	0.02	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	16	0.14	0.02	0.14
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	15	1.14	0.59	1.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	15	1.14	0.59	1.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	15	1.14	0.59	1.16
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	15	1.13	0.44	1.2
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	15	1.13	0.44	1.2
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	15	1.13	0.44	1.2
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	15	1.07	0.29	1.16
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	15	1.07	0.29	1.16
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	15	0.92	0.24	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	15	0.92	0.24	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	15	0.92	0.24	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	15	0.92	0.24	0.98
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	15	0.81	0.57	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	15	0.81	0.57	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	15	0.81	0.57	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	15	0.81	0.57	0.99
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	15	0.76	0.2	0.82
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	15	0.63	0.28	0.73
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	15	0.63	0.28	0.73
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	15	0.63	0.28	0.73
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	15	0.63	0.28	0.73
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	15	0.63	0.28	0.73
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	15	0.63	0.28	0.73
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	15	0.62	0.29	0.7
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	15	0.62	0.29	0.7
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	15	0.62	0.29	0.7
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	15	0.61	0.32	0.6
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	15	0.61	0.32	0.6
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	15	0.61	0.32	0.6
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	15	0.61	0.32	0.6
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	15	0.61	0.32	0.6
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	15	0.61	0.32	0.6
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	15	0.52	0.29	0.43

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	15	0.52	0.29	0.43
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	15	0.51	0.25	0.52
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	15	0.51	0.25	0.52
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	15	0.51	0.25	0.52
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	15	0.5	0.49	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	15	0.5	0.49	0.17
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	15	0.47	0.31	0.39
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	15	0.47	0.31	0.39
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	15	0.47	0.31	0.39
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	15	0.47	0.08	0.48
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	15	0.47	0.08	0.48
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	15	0.47	0.08	0.48
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	15	0.47	0.08	0.48
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	15	0.47	0.08	0.48
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	15	0.47	0.08	0.48
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	15	0.44	0.3	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	15	0.44	0.3	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	15	0.44	0.3	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	15	0.44	0.3	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	15	0.44	0.3	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	15	0.44	0.3	0.23
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	15	0.37	0.15	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	15	0.37	0.15	0.39
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	15	0.33	0.09	0.36
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	15	0.32	0.19	0.27
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	15	0.3	0.46	0.12
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	15	0.3	0.12	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	15	0.3	0.12	0.27
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	15	0.26	0.11	0.25
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	15	0.26	0.11	0.25
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	15	0.26	0.11	0.25
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	15	0.26	0.07	0.26
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	15	0.25	0.07	0.28
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	15	0.25	0.07	0.28
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	15	0.25	0.07	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	15	0.23	0.08	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	15	0.23	0.08	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	15	0.23	0.08	0.22
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	15	0.21	0.07	0.19
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	15	0.21	0.04	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	15	0.19	0.03	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	15	0.19	0.03	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	15	0.19	0.09	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	15	0.19	0.09	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	15	0.19	0.09	0.17
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	15	0.14	0.07	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	15	0.14	0.07	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	15	0.14	0.07	0.12
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	15	0.13	0.03	0.12
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	14	1.8	0.61	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	14	1.8	0.61	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	14	1.8	0.61	2.06
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	14	1.44	0.14	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	14	1.44	0.14	1.48
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	14	1.43	0.2	1.42
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	14	1.43	0.2	1.42
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	14	1.43	0.2	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	14	1.43	0.2	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	14	1.43	0.2	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	14	1.43	0.2	1.42
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	14	1.36	0.21	1.4
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	14	1.36	0.21	1.4
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	14	0.85	0.64	0.88
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	14	0.85	0.64	0.88
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	14	0.85	0.64	0.88
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	14	0.85	0.64	0.88
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	14	0.85	0.64	0.88
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	14	0.85	0.64	0.88
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	14	0.82	0.24	0.92
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	14	0.82	0.24	0.92
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	14	0.81	0.56	1.16
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	14	0.79	0.1	0.78
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	14	0.79	0.1	0.78
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	14	0.79	0.1	0.78
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	14	0.78	0.6	0.7
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	14	0.78	0.6	0.7
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	14	0.78	0.6	0.7

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	14	0.76	0.25	0.84
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	14	0.76	0.25	0.84
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	14	0.67	0.81	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	14	0.67	0.81	0.17
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	14	0.67	0.81	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	14	0.67	0.81	0.17
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	14	0.64	0.47	0.53
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	14	0.64	0.47	0.53
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	14	0.64	0.47	0.53
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	14	0.64	0.47	0.53
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	14	0.64	0.39	0.59
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	14	0.64	0.39	0.59
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	14	0.64	0.39	0.59
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	14	0.64	0.39	0.59
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	14	0.64	0.39	0.59
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	14	0.64	0.39	0.59
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	14	0.61	0.21	0.66
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	14	0.61	0.21	0.66
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	14	0.61	0.21	0.66
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	14	0.54	0.54	0.21
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	14	0.54	0.54	0.21
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	14	0.52	0.24	0.44
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	14	0.52	0.24	0.44
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	14	0.52	0.24	0.44
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	14	0.52	0.24	0.44
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	14	0.52	0.24	0.44
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	14	0.52	0.24	0.44
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	14	0.45	0.23	0.44
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	14	0.45	0.23	0.44
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	14	0.45	0.23	0.44
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	14	0.44	0.31	0.38
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	14	0.44	0.31	0.38
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	14	0.44	0.31	0.38
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	14	0.44	0.39	0.27
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	14	0.41	0.22	0.34
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	14	0.41	0.22	0.34
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	14	0.4	0.17	0.37
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	14	0.4	0.17	0.37
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	14	0.37	0.15	0.44
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	14	0.37	0.15	0.44
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	14	0.37	0.02	0.38
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	14	0.37	0.02	0.38

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	14	0.37	0.23	0.29
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	14	0.37	0.23	0.29
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	14	0.37	0.23	0.29
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	14	0.35	0.22	0.34
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	14	0.35	0.22	0.34
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	14	0.35	0.2	0.31
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	14	0.29	0.12	0.32
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	14	0.29	0.12	0.32
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	14	0.28	0.12	0.3
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	14	0.28	0.12	0.3
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	14	0.23	0.07	0.22
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	14	0.23	0.07	0.22
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	14	0.23	0.07	0.22
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	14	0.21	0.06	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	14	0.21	0.06	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	14	0.21	0.06	0.23
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	14	0.21	0.07	0.2
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	14	0.21	0.07	0.2
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	14	0.21	0.07	0.2
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	14	0.2	0.03	0.2
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	14	0.2	0.03	0.2
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	14	0.2	0.03	0.2
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	14	0.19	0.05	0.22
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	14	0.18	0.07	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	14	0.18	0.07	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	14	0.18	0.07	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	14	0.18	0.07	0.14
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	14	0.18	0.04	0.18
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	14	0.14	0.03	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	14	0.14	0.03	0.14
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	14	0.13	0.07	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	14	0.13	0.07	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	14	0.13	0.07	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	14	0.13	0.07	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	14	0.13	0.07	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	14	0.13	0.07	0.12
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	13	1.56	0.24	1.65
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	13	1.56	0.24	1.65
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	13	1.56	0.24	1.65
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	13	1.02	0.56	1.38
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	13	0.96	0.4	0.92
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	13	0.96	0.4	0.92

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	13	0.96	0.4	0.92
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	13	0.78	0.34	0.83
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	13	0.71	0.58	0.4
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	13	0.64	0.3	0.58
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	13	0.64	0.3	0.58
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	13	0.64	0.3	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	13	0.64	0.3	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	13	0.64	0.3	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	13	0.64	0.3	0.58
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	13	0.58	0.21	0.57
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	13	0.58	0.21	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	13	0.58	0.21	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	13	0.58	0.21	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	13	0.58	0.21	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	13	0.58	0.21	0.57
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	13	0.55	0.07	0.56
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	13	0.43	0.21	0.42
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	13	0.43	0.21	0.42
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	13	0.43	0.21	0.42
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	13	0.43	0.21	0.42
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	13	0.43	0.21	0.42
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	13	0.43	0.21	0.42
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	13	0.42	0.2	0.39
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	13	0.42	0.2	0.39
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	13	0.35	0.15	0.36
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	13	0.35	0.15	0.36
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	13	0.35	0.15	0.36
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	13	0.28	0.09	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	13	0.28	0.09	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	13	0.28	0.09	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	13	0.28	0.09	0.3
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	13	0.27	0.09	0.27
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	13	0.25	0.12	0.22
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	13	0.24	0.12	0.21
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	13	0.24	0.12	0.21
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	13	0.24	0.12	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	13	0.24	0.12	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	13	0.24	0.12	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	13	0.24	0.12	0.21
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	13	0.21	0.07	0.19
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	13	0.21	0.07	0.19
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	13	0.2	0.07	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	13	0.2	0.07	0.17
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	13	0.2	0.07	0.17
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	13	0.19	0.07	0.17
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	13	0.18	0.04	0.18
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	13	0.18	0.04	0.19
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	13	0.13	0.01	0.13
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	13	0.13	0.01	0.13
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	13	0.13	0.01	0.13
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	12	1.61	0.45	1.81
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	12	1.61	0.45	1.81
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	12	0.91	0.51	1.0
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	12	0.91	0.51	1.0
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	12	0.91	0.51	1.0
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	12	0.91	0.51	1.0
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	12	0.91	0.51	1.0
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	12	0.91	0.51	1.0
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	12	0.71	0.02	0.71
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	12	0.71	0.02	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	12	0.71	0.02	0.71
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	12	0.65	0.13	0.71
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	12	0.65	0.13	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	12	0.65	0.13	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	12	0.65	0.13	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	12	0.65	0.13	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	12	0.65	0.13	0.71
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	12	0.55	0.3	0.51
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	12	0.55	0.3	0.51
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	12	0.51	0.18	0.6
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	12	0.49	0.16	0.48
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	12	0.49	0.16	0.48
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	12	0.4	0.16	0.4

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	12	0.4	0.16	0.4
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	12	0.4	0.16	0.4
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	12	0.33	0.21	0.24
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	12	0.32	0.06	0.32
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	12	0.32	0.06	0.32
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	12	0.32	0.06	0.32
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	12	0.31	0.1	0.29
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	12	0.31	0.1	0.29
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	12	0.31	0.1	0.29
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	12	0.3	0.08	0.34
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	12	0.29	0.08	0.3
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	12	0.29	0.08	0.3
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	12	0.22	0.06	0.24
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	12	0.22	0.06	0.24
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	12	0.2	0.03	0.21
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	12	0.19	0.12	0.14
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	12	0.17	0.04	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	12	0.17	0.04	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	12	0.17	0.04	0.16
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	12	0.16	0.05	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	12	0.15	0.04	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	12	0.15	0.04	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	12	0.15	0.04	0.14
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	11	1.5	0.08	1.49
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	11	1.5	0.08	1.49
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	11	1.5	0.08	1.49
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	11	1.42	0.08	1.41
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	11	1.42	0.08	1.41
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	11	1.42	0.08	1.41
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	11	1.04	0.12	1.0
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	11	1.04	0.12	1.0
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	11	1.02	0.58	1.08
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	11	1.02	0.58	1.08
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	11	1.02	0.58	1.08
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	11	1.02	0.58	1.08

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	11	1.02	0.58	1.08
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	11	1.02	0.58	1.08
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	11	0.51	0.09	0.49
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	11	0.51	0.09	0.49
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	11	0.51	0.09	0.49
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	11	0.48	0.29	0.45
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	11	0.48	0.29	0.45
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	11	0.48	0.29	0.45
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	11	0.48	0.29	0.45
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	11	0.48	0.29	0.45
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	11	0.48	0.29	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	11	0.47	0.27	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	11	0.47	0.27	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	11	0.47	0.27	0.45
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	11	0.43	0.47	0.22
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	11	0.43	0.47	0.22
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	11	0.43	0.47	0.22
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	11	0.43	0.47	0.22
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	11	0.4	0.22	0.4
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	11	0.4	0.22	0.4
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	11	0.4	0.22	0.4
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	11	0.39	0.18	0.36
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	11	0.39	0.18	0.36
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	11	0.39	0.18	0.36
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	11	0.39	0.15	0.4
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	11	0.39	0.15	0.4
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	11	0.39	0.15	0.4
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	11	0.36	0.2	0.23
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	11	0.35	0.35	0.17
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	11	0.35	0.35	0.17
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	11	0.34	0.03	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	11	0.34	0.03	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	11	0.34	0.03	0.34
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	11	0.32	0.16	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	11	0.32	0.16	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	11	0.32	0.16	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	11	0.32	0.16	0.27
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	11	0.26	0.05	0.29
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	11	0.24	0.17	0.21
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	11	0.24	0.17	0.21
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	11	0.23	0.06	0.25
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	11	0.23	0.08	0.25

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	11	0.19	0.06	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	11	0.19	0.06	0.17
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	11	0.18	0.1	0.14
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	11	0.18	0.03	0.17
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	11	0.16	0.03	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	11	0.15	0.02	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	11	0.15	0.02	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	11	0.15	0.02	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	11	0.15	0.02	0.16
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	11	0.12	0.02	0.12
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	10	0.87	0.6	0.81
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	10	0.87	0.6	0.81
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	10	0.87	0.6	0.81
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	10	0.87	0.6	0.81
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	10	0.84	0.1	0.84
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	10	0.8	0.4	0.92
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	10	0.8	0.4	0.92
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	10	0.72	0.26	0.66
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	10	0.65	0.33	0.78
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	10	0.65	0.33	0.78
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	10	0.65	0.33	0.78
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	10	0.62	0.13	0.57
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	10	0.6	0.42	0.42
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	10	0.45	0.13	0.41
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	10	0.45	0.13	0.41
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	10	0.41	0.17	0.39
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	10	0.35	0.18	0.32
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	10	0.35	0.18	0.32
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	10	0.35	0.18	0.32
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	10	0.33	0.2	0.23
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	10	0.32	0.15	0.3
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	10	0.32	0.15	0.3
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	10	0.32	0.15	0.3
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	10	0.27	0.16	0.24
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	10	0.22	0.13	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	10	0.21	0.05	0.2
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	10	0.21	0.05	0.2
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	10	0.21	0.05	0.2
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	10	0.18	0.07	0.16
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	10	0.18	0.07	0.16
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	10	0.15	0.02	0.16
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	10	0.13	0.05	0.11
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	9	1.3	0.52	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	9	1.3	0.52	1.0
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	9	0.5	0.08	0.55
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	9	0.5	0.08	0.55
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	9	0.41	0.17	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	9	0.41	0.17	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	9	0.41	0.17	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	9	0.41	0.17	0.44
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	9	0.4	0.27	0.26
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	9	0.4	0.27	0.26
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	9	0.4	0.27	0.26
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	9	0.38	0.08	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	9	0.38	0.08	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	9	0.38	0.08	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	9	0.38	0.08	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	9	0.38	0.08	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	9	0.38	0.08	0.4
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	9	0.35	0.17	0.3
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	9	0.35	0.17	0.3
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	9	0.34	0.17	0.29
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	9	0.34	0.17	0.29
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	9	0.34	0.17	0.29
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	9	0.34	0.01	0.34
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	9	0.33	0.07	0.32
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	9	0.33	0.07	0.32
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	9	0.33	0.07	0.32
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	9	0.32	0.17	0.29
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	9	0.32	0.17	0.29
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	9	0.32	0.17	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	9	0.28	0.1	0.32
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	9	0.28	0.1	0.32
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	9	0.27	0.14	0.28
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	9	0.27	0.14	0.28
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	9	0.21	0.07	0.18
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	9	0.2	0.02	0.21
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	9	0.17	0.0	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	9	0.17	0.0	0.17
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	9	0.17	0.07	0.15
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	9	0.15	0.03	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	9	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	9	0.15	0.03	0.14
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	9	0.13	0.02	0.12
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	9	0.11	0.01	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	9	0.11	0.01	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	9	0.11	0.01	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	9	0.11	0.01	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	9	0.11	0.01	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	9	0.11	0.01	0.11
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	9	0.1	0.0	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	9	0.1	0.0	0.1
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	8	1.47	0.37	1.67
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	8	1.47	0.37	1.67
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	8	1.47	0.37	1.67
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	8	1.4	0.18	1.36
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	8	1.4	0.18	1.36
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	8	0.63	0.51	0.38
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	8	0.63	0.51	0.38
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	8	0.63	0.51	0.38
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	8	0.57	0.32	0.62
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	8	0.57	0.32	0.62
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	8	0.57	0.32	0.62
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	8	0.55	0.38	0.43
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	8	0.55	0.38	0.43
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	8	0.55	0.38	0.43
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	8	0.42	0.13	0.48
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	8	0.42	0.13	0.48
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	8	0.42	0.13	0.48
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	8	0.37	0.13	0.32
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	8	0.33	0.13	0.28
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	8	0.25	0.02	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	8	0.25	0.02	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	8	0.25	0.02	0.26
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	8	0.24	0.08	0.25
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	8	0.23	0.06	0.25
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	8	0.23	0.11	0.2
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	8	0.2	0.07	0.19
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	8	0.18	0.04	0.19
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	8	0.16	0.07	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	8	0.16	0.07	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	8	0.16	0.07	0.15
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	8	0.15	0.03	0.14
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	8	0.14	0.01	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	8	0.14	0.01	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	8	0.14	0.01	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	8	0.14	0.01	0.15
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	8	0.13	0.02	0.13
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	8	0.11	0.0	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	8	0.11	0.0	0.11
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	7	1.57	0.12	1.55
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	7	1.57	0.12	1.55
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	7	1.57	0.12	1.55
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	7	1.22	0.74	1.84
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	7	1.22	0.74	1.84

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	7	1.22	0.74	1.84
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	7	0.81	0.7	0.69
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	7	0.81	0.7	0.69
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	7	0.81	0.7	0.69
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	7	0.73	0.7	0.61
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	7	0.73	0.7	0.61
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	7	0.73	0.7	0.61
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	7	0.72	0.48	0.51
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	7	0.66	0.47	0.64
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	7	0.66	0.47	0.64
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	7	0.66	0.47	0.64
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	7	0.66	0.47	0.64
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	7	0.66	0.47	0.64
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	7	0.66	0.47	0.64
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	7	0.4	0.2	0.4
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	7	0.4	0.2	0.4
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	7	0.35	0.12	0.42
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	7	0.24	0.09	0.26
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	7	0.24	0.09	0.26
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	7	0.23	0.11	0.2
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	7	0.23	0.11	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	7	0.23	0.11	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	7	0.23	0.11	0.2
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	7	0.23	0.06	0.25
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	7	0.22	0.01	0.23
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	7	0.22	0.1	0.18
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	7	0.22	0.1	0.18
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	7	0.22	0.1	0.18
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	7	0.22	0.1	0.18
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	7	0.22	0.1	0.18
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	7	0.22	0.1	0.18
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	7	0.22	0.11	0.15
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	7	0.2	0.09	0.17
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	7	0.2	0.09	0.17
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	7	0.2	0.09	0.17
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	7	0.2	0.05	0.21
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	7	0.19	0.03	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	7	0.19	0.03	0.2
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	7	0.18	0.04	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	7	0.18	0.04	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	7	0.18	0.04	0.18
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	7	0.17	0.03	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	7	0.17	0.03	0.16
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	7	0.17	0.03	0.16
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	7	0.14	0.02	0.14
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	6	1.84	0.04	1.84
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	6	1.84	0.04	1.84
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	6	1.84	0.04	1.84
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	6	1.84	0.04	1.84
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	6	0.44	0.58	0.19
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	6	0.44	0.58	0.19
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	6	0.44	0.58	0.19
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	6	0.44	0.58	0.19
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	6	0.38	0.09	0.36
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	6	0.38	0.09	0.36
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	6	0.38	0.09	0.36
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	6	0.38	0.09	0.36
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	6	0.38	0.09	0.36
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	6	0.38	0.09	0.36
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	6	0.37	0.12	0.34
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	6	0.37	0.12	0.34
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	6	0.37	0.12	0.34
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	6	0.37	0.12	0.34
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	6	0.37	0.12	0.34
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	6	0.37	0.12	0.34
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	6	0.34	0.12	0.3
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	6	0.34	0.12	0.3
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	6	0.32	0.16	0.31
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	6	0.32	0.16	0.31
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	6	0.3	0.24	0.16
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	6	0.27	0.08	0.29
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	6	0.27	0.08	0.29
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	6	0.26	0.01	0.26
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	6	0.25	0.1	0.23
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	6	0.25	0.09	0.28
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	6	0.23	0.05	0.22
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	6	0.23	0.05	0.22
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	6	0.23	0.05	0.22
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	6	0.23	0.05	0.22
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	6	0.18	0.05	0.19
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	6	0.18	0.05	0.19
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	6	0.17	0.03	0.18
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	6	0.17	0.04	0.18
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	6	0.17	0.04	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	6	0.14	0.02	0.14
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	6	0.14	0.02	0.14
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	6	0.14	0.02	0.14
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	5	1.5	0.02	1.49
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	5	1.5	0.02	1.49
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	5	1.5	0.02	1.49
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	5	0.76	0.42	0.61
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	5	0.69	0.22	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	5	0.69	0.22	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	5	0.69	0.22	0.79
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	5	0.63	0.12	0.63
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	5	0.63	0.12	0.63
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	5	0.33	0.05	0.3
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	5	0.33	0.05	0.3
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	5	0.31	0.13	0.28
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	5	0.27	0.13	0.25
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	5	0.24	0.09	0.22
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	5	0.24	0.09	0.22
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	5	0.24	0.12	0.21
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	5	0.24	0.12	0.21
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	5	0.2	0.03	0.21
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	5	0.19	0.09	0.16
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	5	0.19	0.05	0.17
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	5	0.19	0.05	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	5	0.19	0.05	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	5	0.19	0.05	0.18
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	5	0.15	0.02	0.15
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	5	0.15	0.02	0.15
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	5	0.15	0.02	0.15
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	5	0.15	0.02	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	5	0.14	0.02	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	5	0.14	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	5	0.12	0.02	0.11
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	5	0.12	0.02	0.11
(1,1561)	1:29:A:THR:HG21	1:38:A:LYS:H	4	0.68	0.39	0.78
(1,1561)	1:29:A:THR:HG22	1:38:A:LYS:H	4	0.68	0.39	0.78
(1,1561)	1:29:A:THR:HG23	1:38:A:LYS:H	4	0.68	0.39	0.78
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	4	0.64	0.22	0.69
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	4	0.64	0.22	0.69
(1,879)	1:140:A:ARG:HG3	1:149:A:PHE:HB3	4	0.64	0.22	0.69
(4,16)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	4	0.5	0.31	0.48
(1,50)	1:45:A:PHE:HE1	1:214:A:PRO:HG2	4	0.37	0.17	0.37
(1,50)	1:45:A:PHE:HE2	1:214:A:PRO:HG2	4	0.37	0.17	0.37
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG2	4	0.28	0.18	0.2
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG3	4	0.28	0.18	0.2
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD11	4	0.24	0.06	0.24
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD12	4	0.24	0.06	0.24
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD13	4	0.24	0.06	0.24
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG2	4	0.22	0.07	0.23
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG3	4	0.22	0.07	0.23
(1,812)	1:178:A:TRP:HE3	1:188:A:PHE:HB2	4	0.2	0.08	0.2
(1,1176)	1:235:A:GLN:H	1:237:A:LEU:H	4	0.2	0.08	0.18
(1,947)	1:55:A:ASN:H	1:58:A:VAL:H	4	0.2	0.04	0.2
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD11	4	0.18	0.09	0.14
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD12	4	0.18	0.09	0.14
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD13	4	0.18	0.09	0.14
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG12	4	0.15	0.05	0.14
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG13	4	0.15	0.05	0.14
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD11	4	0.14	0.05	0.12
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD12	4	0.14	0.05	0.12
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD13	4	0.14	0.05	0.12
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	4	0.13	0.03	0.13
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	4	0.13	0.03	0.13
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	4	0.13	0.03	0.13
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	4	0.13	0.03	0.13
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD1	4	0.12	0.02	0.12
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD2	4	0.12	0.02	0.12
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	4	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	4	0.11	0.01	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	4	0.11	0.01	0.11
(1,524)	1:192:A:ALA:HA	1:195:A:ALA:HB3	3	1.09	0.04	1.06
(1,1535)	1:195:A:ALA:HB3	1:196:A:LEU:H	3	1.08	0.0	1.08
(1,222)	1:195:A:ALA:HB3	1:196:A:LEU:H	3	0.9	0.0	0.9
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE1	3	0.42	0.4	0.16
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE2	3	0.42	0.4	0.16
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE1	3	0.42	0.4	0.16
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE2	3	0.42	0.4	0.16
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE1	3	0.42	0.4	0.16
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE2	3	0.42	0.4	0.16
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	3	0.36	0.16	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	3	0.36	0.16	0.38
(1,1554)	1:161:A:ALA:HA	1:201:A:GLY:H	3	0.35	0.16	0.31
(1,1512)	1:179:A:THR:HB	1:185:A:GLY:H	3	0.25	0.02	0.26
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE1	3	0.23	0.11	0.22
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE2	3	0.23	0.11	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE3	3	0.23	0.11	0.22
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD1	3	0.17	0.06	0.16
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD2	3	0.17	0.06	0.16
(1,537)	1:179:A:THR:HB	1:180:A:ASP:H	3	0.15	0.03	0.17
(1,1631)	1:18:A:TYR:HB2	1:20:A:LYS:H	3	0.14	0.02	0.16
(1,1631)	1:18:A:TYR:HB3	1:20:A:LYS:H	3	0.14	0.02	0.16
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	3	0.14	0.02	0.13
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	3	0.14	0.02	0.13
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	3	0.14	0.02	0.13
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	3	0.14	0.02	0.13
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	3	0.14	0.02	0.13
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	3	0.14	0.02	0.13
(1,1026)	1:116:A:TRP:H	1:117:A:GLY:H	3	0.14	0.01	0.13
(1,1168)	1:233:A:GLY:H	1:234:A:ILE:H	3	0.13	0.01	0.13
(1,1107)	1:176:A:GLU:H	1:177:A:ARG:H	3	0.13	0.02	0.12
(1,1548)	1:196:A:LEU:HA	1:199:A:SER:H	3	0.12	0.01	0.11
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD21	3	0.12	0.01	0.12
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD22	3	0.12	0.01	0.12
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD23	3	0.12	0.01	0.12
(4,9)	2:302:A:CA:CA	1:151:A:GLY:O	3	0.12	0.02	0.1
(1,1481)	1:172:A:PHE:H	1:173:A:ASP:H	3	0.11	0.0	0.11
(2,87)	1:141:A:GLY:H	1:150:A:ASP:H	3	0.11	0.0	0.11
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD11	2	1.64	0.12	1.64
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD12	2	1.64	0.12	1.64
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD13	2	1.64	0.12	1.64
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD11	2	1.62	0.12	1.62
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD12	2	1.62	0.12	1.62
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD13	2	1.62	0.12	1.62
(1,875)	1:83:A:LYS:HD2	1:237:A:LEU:HG	2	1.4	0.05	1.4
(1,875)	1:83:A:LYS:HD3	1:237:A:LEU:HG	2	1.4	0.05	1.4
(1,132)	1:86:A:SER:H	1:86:A:SER:HB3	2	1.35	0.02	1.35
(1,644)	1:41:A:GLU:H	1:41:A:GLU:HG3	2	1.04	0.03	1.04
(1,358)	1:18:A:TYR:H	1:21:A:ARG:HG2	2	0.34	0.23	0.34
(1,943)	1:52:A:GLY:H	1:53:A:MET:H	2	0.34	0.08	0.34
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG11	2	0.25	0.01	0.25
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG12	2	0.25	0.01	0.25
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG13	2	0.25	0.01	0.25
(1,1112)	1:175:A:ASP:H	1:178:A:TRP:HE1	2	0.2	0.08	0.2
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	2	0.19	0.09	0.19
(1,237)	1:154:A:ASN:HB2	1:155:A:THR:H	2	0.19	0.09	0.19
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	2	0.19	0.09	0.19
(1,509)	1:61:A:ILE:HA	1:63:A:GLN:H	2	0.18	0.05	0.18

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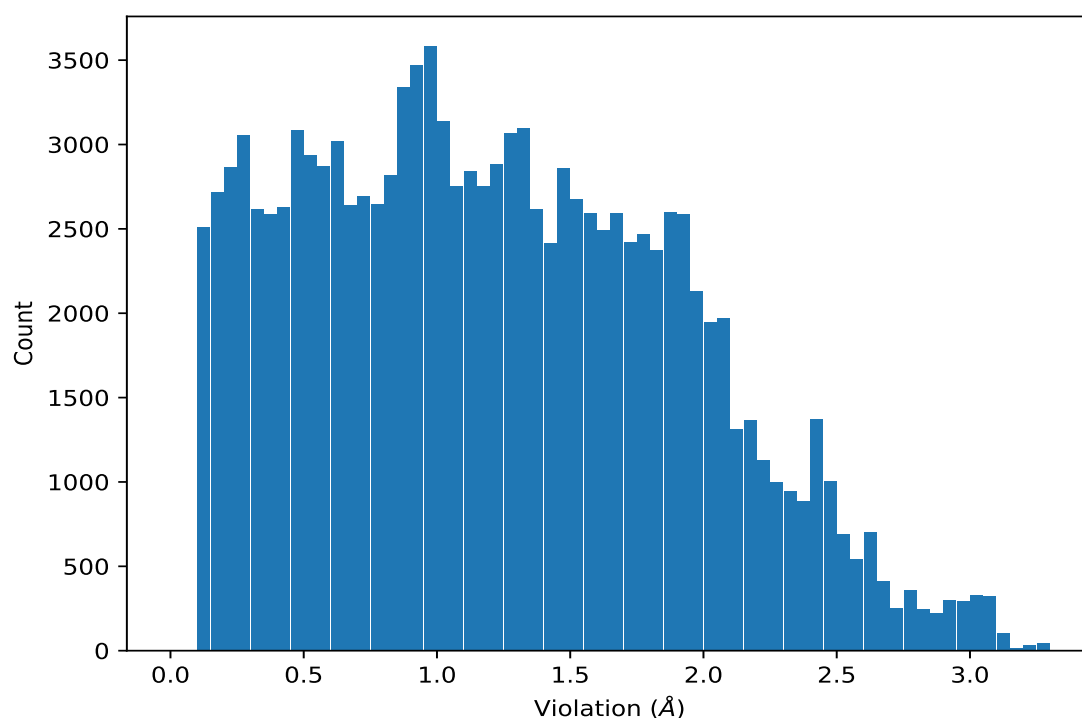
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB1	2	0.17	0.03	0.17
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB2	2	0.17	0.03	0.17
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB3	2	0.17	0.03	0.17
(1,1447)	1:158:A:HIS:H	1:158:A:HIS:HE1	2	0.16	0.0	0.16
(1,1660)	1:38:A:LYS:HA	1:40:A:LYS:H	2	0.16	0.0	0.16
(1,472)	1:225:A:LYS:HB2	1:226:A:LEU:HA	2	0.14	0.02	0.14
(1,472)	1:225:A:LYS:HB3	1:226:A:LEU:HA	2	0.14	0.02	0.14
(1,1425)	1:147:A:TYR:H	1:147:A:TYR:HB3	2	0.12	0.01	0.12
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD11	2	0.12	0.01	0.12
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD12	2	0.12	0.01	0.12
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD13	2	0.12	0.01	0.12
(1,776)	1:126:A:LYS:HD2	1:127:A:VAL:HB	2	0.12	0.0	0.12
(1,776)	1:126:A:LYS:HD3	1:127:A:VAL:HB	2	0.12	0.0	0.12
(4,19)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	2	0.12	0.0	0.12
(2,132)	1:68:A:GLY:H	1:198:A:HIS:HD2	2	0.11	0.01	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD11	2	0.11	0.0	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD12	2	0.11	0.0	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD13	2	0.11	0.0	0.11
(1,1289)	1:103:A:ILE:HA	1:106:A:ASP:H	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

9.5.1 Histogram : Distribution of distance violations [i](#)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



9.5.2 Table : All distance violations [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint. Rows with same key represent combinatorial or ambiguous restraints and are counted as a single restraint.

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	1	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	1	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	1	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	1	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	3	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	3	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	3	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	3	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	5	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	5	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	5	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	5	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	11	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	11	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	11	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	11	3.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	19	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	19	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	19	3.27
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	19	3.27
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	2	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	2	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	2	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	2	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	14	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	14	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	14	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	14	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	16	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	16	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	16	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	16	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	18	3.26
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	18	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	18	3.26
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	18	3.26
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	7	3.25
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	7	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	12	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	12	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	12	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	12	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	13	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	13	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	13	3.25
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	13	3.25
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	7	3.23
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	7	3.23
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	7	3.23
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	7	3.23
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	20	3.23
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	20	3.23
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	20	3.23
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	20	3.23
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	4	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	4	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	4	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	4	3.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	6	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	6	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	6	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	6	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	9	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	9	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	9	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	9	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	10	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	10	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	10	3.22
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	10	3.22
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	17	3.21
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	17	3.21
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	17	3.21
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	17	3.21
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	15	3.2
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	15	3.2
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	15	3.2
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	15	3.2
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	11	3.17
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	11	3.17
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD1	8	3.16
(1,419)	1:108:A:LEU:HB2	1:188:A:PHE:HD2	8	3.16
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD1	8	3.16
(1,419)	1:108:A:LEU:HB3	1:188:A:PHE:HD2	8	3.16
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	9	3.15
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	9	3.15
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	9	3.15
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	9	3.15
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	9	3.15
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	9	3.15
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	9	3.15
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	9	3.15
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	9	3.15
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	7	3.14
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	7	3.14
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	7	3.14
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	7	3.14
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	7	3.14
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	7	3.14
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	7	3.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	7	3.14
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	7	3.14
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	3	3.13
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	3	3.13
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	3	3.13
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	3	3.13
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	3	3.13
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	3	3.13
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	3	3.13
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	3	3.13
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	3	3.13
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	9	3.12
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	9	3.12
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	9	3.12
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	9	3.12
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	9	3.12
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	9	3.12
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	9	3.12
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	9	3.12
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	9	3.12
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	3.11
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	3.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	3.11
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	3.11
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	7	3.11
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	7	3.11
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	7	3.11
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	7	3.11
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	7	3.11
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	7	3.11
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	7	3.11
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	7	3.11
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	7	3.11
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	1	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	1	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	1	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	1	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	1	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	1	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	1	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	1	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	1	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	5	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	5	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	5	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	5	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	5	3.1
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	5	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	5	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	5	3.1
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	5	3.1
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	9	3.1
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	9	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	9	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	9	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	9	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	9	3.1
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	13	3.1
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	13	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	13	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	13	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	13	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	13	3.1
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	17	3.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	17	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	17	3.1
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	17	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	17	3.1
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	17	3.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	17	3.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	17	3.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	17	3.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	17	3.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	17	3.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	17	3.1
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	6	3.09
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	6	3.09
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	6	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	6	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	6	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	6	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	6	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	6	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	6	3.09
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	18	3.09
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	18	3.09
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	18	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	18	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	18	3.09
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	18	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	18	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	18	3.09
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	18	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	9	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	9	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	9	3.09
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	9	3.09
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	9	3.09
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	9	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	9	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	9	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	9	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	15	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	15	3.09
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	15	3.09
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	15	3.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	15	3.09
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	15	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	15	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	15	3.09
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	15	3.09
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	3.09
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	3.09
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	3.09
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	8	3.08
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	8	3.08
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	8	3.08
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	8	3.08
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	8	3.08
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	8	3.08
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	3.08
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	3.08
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	3.08
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	20	3.08
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	20	3.08
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	20	3.08
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	20	3.08
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	20	3.08
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	20	3.08
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	20	3.08
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	20	3.08
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	20	3.08
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	19	3.08
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	19	3.08
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	19	3.08
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	19	3.08
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	19	3.08
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	19	3.08
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	19	3.08
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	19	3.08
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	19	3.08
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	9	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	9	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	9	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	9	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	9	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	9	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	9	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	9	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	9	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	12	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	12	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	12	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	12	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	12	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	12	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	12	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	12	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	12	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	14	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	14	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	14	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	14	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	14	3.07
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	14	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	14	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	14	3.07
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	14	3.07
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	11	3.07
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	11	3.07
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	11	3.07
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	11	3.07
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	11	3.07
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	11	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	3.07
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	3.07
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	3.07
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	18	3.07
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	18	3.07
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	18	3.07
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	18	3.07
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	18	3.07
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	18	3.07
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	18	3.07
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	18	3.07
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	18	3.07
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	19	3.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	19	3.07
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	19	3.07
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	19	3.07
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	19	3.07
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	19	3.07
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	19	3.07
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	19	3.07
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	19	3.07
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	2	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	2	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	2	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	2	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	2	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	2	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	2	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	2	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	2	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	7	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	7	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	7	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	7	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	7	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	7	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	7	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	7	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	7	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	8	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	8	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	8	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	8	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	8	3.06
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	8	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	8	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	8	3.06
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	8	3.06
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	1	3.06
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	1	3.06
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	1	3.06
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	1	3.06
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	1	3.06
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	1	3.06
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	1	3.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	1	3.06
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	1	3.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	12	3.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	12	3.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	12	3.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	12	3.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	12	3.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	12	3.06
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	15	3.05
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	15	3.05
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	15	3.05
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	15	3.05
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	15	3.05
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	15	3.05
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	15	3.05
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	15	3.05
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	15	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	3.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	3.05
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	3.05
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	3.05
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	5	3.05
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	5	3.05
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	5	3.05
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	5	3.05
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	5	3.05
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	5	3.05
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	18	3.05
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	18	3.05
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	18	3.05
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	18	3.05
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	18	3.05
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	18	3.05
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	18	3.05
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	18	3.05
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	18	3.05
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	3	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	3	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	3	3.04
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	3	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	3	3.04
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	3	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	3	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	3	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	3	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	10	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	10	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	10	3.04
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	10	3.04
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	10	3.04
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	10	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	10	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	10	3.04
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	10	3.04
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	1	3.04
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	1	3.04
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	1	3.04
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	1	3.04
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	1	3.04
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	1	3.04
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	6	3.04
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	6	3.04
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	6	3.04
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	6	3.04
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	6	3.04
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	6	3.04
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	6	3.04
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	6	3.04
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	6	3.04
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	2	3.04
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	2	3.04
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	2	3.04
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	2	3.04
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	2	3.04
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	2	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	13	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	13	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	13	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	13	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	13	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	13	3.04
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	13	3.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	13	3.04
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	13	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	15	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	15	3.04
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	15	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	15	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	15	3.04
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	15	3.04
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	15	3.04
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	15	3.04
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	15	3.04
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	6	3.04
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	6	3.04
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	6	3.04
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	4	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	4	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	4	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	4	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	4	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	4	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	4	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	4	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	4	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	16	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	16	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	16	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	16	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	16	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	16	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	16	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	16	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	16	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	19	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	19	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	19	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	19	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	19	3.03
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	19	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	19	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	19	3.03
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	19	3.03
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	14	3.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	14	3.03
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	14	3.03
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	14	3.03
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	14	3.03
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	14	3.03
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	14	3.03
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	14	3.03
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	14	3.03
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	15	3.03
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	15	3.03
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	15	3.03
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	11	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	11	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	11	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	11	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	11	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	11	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	11	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	11	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	11	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	13	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	13	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	13	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	13	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	13	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	13	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	13	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	13	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	13	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	17	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	17	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	17	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	17	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	17	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	17	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	17	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	17	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	17	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG21	20	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG22	20	3.02
(1,2125)	1:156:A:LEU:HD21	1:186:A:ILE:HG23	20	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG21	20	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG22	20	3.02
(1,2125)	1:156:A:LEU:HD22	1:186:A:ILE:HG23	20	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG21	20	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG22	20	3.02
(1,2125)	1:156:A:LEU:HD23	1:186:A:ILE:HG23	20	3.02
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	19	3.02
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	19	3.02
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	19	3.02
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	19	3.02
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	19	3.02
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	19	3.02
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	19	3.02
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	19	3.02
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	19	3.02
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	3.02
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	3.02
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	4	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	4	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	4	3.02
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	4	3.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	4	3.02
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	4	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	4	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	4	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	4	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	13	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	13	3.02
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	13	3.02
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	13	3.02
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	13	3.02
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	13	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	13	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	13	3.02
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	13	3.02
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	7	3.02
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	7	3.02
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	7	3.02
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	7	3.02
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	7	3.02
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	7	3.02
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	7	3.02
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	7	3.02
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	7	3.02
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	5	3.02
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	5	3.02
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	5	3.02
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	5	3.02
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	5	3.02
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	5	3.02
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	5	3.02
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	5	3.02
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	5	3.02
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	9	3.02
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	9	3.02
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	9	3.02
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	3.01
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	3.01
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	3.01
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	15	3.01
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	15	3.01
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	15	3.01
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	15	3.01
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	15	3.01
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	15	3.01
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	15	3.01
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	15	3.01
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	15	3.01
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	17	3.01
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	17	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	1	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	1	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	1	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	1	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	1	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	1	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	18	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	18	3.01
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	18	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	18	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	18	3.01
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	18	3.01
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	1	3.01
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	1	3.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	1	3.01
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	7	3.01
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	7	3.01
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	7	3.01
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	12	3.01
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	12	3.01
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	12	3.01
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	5	3.01
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	5	3.01
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	5	3.01
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	2	3.0
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	2	3.0
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	2	3.0
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	2	3.0
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	2	3.0
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	2	3.0
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	2	3.0
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	2	3.0
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	2	3.0
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	3.0
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	3.0
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	3.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	3.0
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	4	3.0
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	4	3.0
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	4	3.0
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	4	3.0
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	4	3.0
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	4	3.0
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	2	3.0
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	2	3.0
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	2	3.0
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	2	3.0
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	2	3.0
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	2	3.0
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	2	3.0
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	2	3.0
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	2	3.0
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	4	3.0
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	4	3.0
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	4	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	3	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	3	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	3	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	13	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	13	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	13	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	3.0
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	3.0
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	19	2.99
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	19	2.99
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	19	2.99
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	19	2.99
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	19	2.99
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	19	2.99
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	19	2.99
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	19	2.99
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	19	2.99
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	19	2.99
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	19	2.99
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	19	2.99
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	19	2.99
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	19	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	19	2.99
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	3	2.99
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	3	2.99
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	3	2.99
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	5	2.99
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	5	2.99
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	5	2.99
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	16	2.99
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	16	2.99
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	16	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	8	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	8	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	8	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	16	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	16	2.99
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	16	2.99
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	3	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	3	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	3	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	3	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	3	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	3	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	3	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	3	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	3	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	12	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	12	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	12	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	12	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	12	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	12	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	12	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	12	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	12	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	18	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	18	2.98
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	18	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	18	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	18	2.98
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	18	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	18	2.98
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	18	2.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	18	2.98
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	9	2.98
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	9	2.98
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	9	2.98
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	10	2.98
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	10	2.98
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	10	2.98
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	14	2.98
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	14	2.98
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	14	2.98
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	20	2.98
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	20	2.98
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	20	2.98
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	12	2.97
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	12	2.97
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	12	2.97
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	12	2.97
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	12	2.97
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	12	2.97
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	12	2.97
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	12	2.97
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	12	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	1	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	1	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	1	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	1	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	1	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	1	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	1	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	1	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	1	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	10	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	10	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	10	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	10	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	10	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	10	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	10	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	10	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	10	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	19	2.97
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	19	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	19	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	19	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	19	2.97
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	19	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	19	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	19	2.97
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	19	2.97
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	5	2.97
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	5	2.97
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	5	2.97
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	5	2.97
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	5	2.97
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	5	2.97
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	5	2.97
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	5	2.97
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	5	2.97
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	19	2.97
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	19	2.97
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	19	2.97
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	19	2.97
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	19	2.97
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	19	2.97
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	14	2.97
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	14	2.97
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	14	2.97
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	14	2.97
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	14	2.97
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	14	2.97
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	14	2.97
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	14	2.97
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	14	2.97
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	8	2.97
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	8	2.97
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	8	2.97
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	6	2.97
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	6	2.97
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	6	2.97
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	2.96
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	2.96
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	5	2.96
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	5	2.96
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	5	2.96
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	5	2.96
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	5	2.96
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	5	2.96
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	5	2.96
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	5	2.96
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	5	2.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	6	2.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	6	2.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	6	2.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	6	2.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	6	2.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	6	2.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	6	2.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	6	2.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	6	2.96
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	15	2.96
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	15	2.96
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	15	2.96
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	15	2.96
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	15	2.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	15	2.96
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	15	2.96
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	15	2.96
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	15	2.96
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	16	2.96
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	16	2.96
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	16	2.96
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	16	2.96
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	16	2.96
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	16	2.96
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	16	2.96
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	16	2.96
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	16	2.96
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	2	2.96
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	2	2.96
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	2	2.96
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	2	2.96
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	2	2.96
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	2	2.96
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	2	2.96
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	2	2.96
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	2	2.96
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	11	2.96
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	11	2.96
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	11	2.96
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	17	2.96
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	17	2.96
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	17	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	1	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	1	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	1	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	12	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	12	2.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	12	2.96
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	2.95
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	2.95
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	1	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	1	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	1	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	1	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	1	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	1	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	1	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	1	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	1	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	8	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	8	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	8	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	8	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	8	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	8	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	8	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	8	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	8	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	15	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	15	2.95
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	15	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	15	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	15	2.95
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	15	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	15	2.95
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	15	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	15	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	1	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	1	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	1	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	1	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	1	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	1	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	1	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	1	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	1	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	4	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	4	2.95
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	4	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	4	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	4	2.95
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	4	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	4	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	4	2.95
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	4	2.95
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	2	2.95
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	2	2.95
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	2	2.95
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	15	2.95
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	15	2.95
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	15	2.95
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	19	2.95
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	19	2.95
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	19	2.95
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	12	2.94
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	12	2.94
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	12	2.94
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	13	2.94
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	13	2.94
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	13	2.94
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	2.94
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	2.94
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	2.94
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	7	2.94
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	7	2.94
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	7	2.94
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	7	2.94
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	7	2.94
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	7	2.94
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	7	2.94
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	7	2.94
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	7	2.94
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	16	2.94
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	16	2.94
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	16	2.94
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	16	2.94
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	16	2.94
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	16	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	2	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	2	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	2	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	4	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	4	2.94
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	4	2.94
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	2.93
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	2.93
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	2.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	2.93
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	2	2.93
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	2	2.93
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	2	2.93
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	2	2.93
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	2	2.93
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	2	2.93
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	2	2.93
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	2	2.93
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	2	2.93
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	19	2.93
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	19	2.93
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	19	2.93
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	9	2.93
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	9	2.93
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	9	2.93
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	9	2.93
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	9	2.93
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	9	2.93
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	9	2.93
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	9	2.93
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	9	2.93
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	12	2.93
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	12	2.93
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	12	2.93
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	12	2.93
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	12	2.93
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	12	2.93
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	12	2.93
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	12	2.93
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	12	2.93
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	14	2.92
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	14	2.92
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	14	2.92
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	2	2.92
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	2	2.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	16	2.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	16	2.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	16	2.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	16	2.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	16	2.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	16	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	16	2.92
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	16	2.92
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	16	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	3	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	3	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	3	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	3	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	3	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	3	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	3	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	3	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	3	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	12	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	12	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	12	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	12	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	12	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	12	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	12	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	12	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	12	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	13	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	13	2.92
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	13	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	13	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	13	2.92
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	13	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	13	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	13	2.92
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	13	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	10	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	10	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	10	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	20	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	20	2.92
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	20	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	11	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	11	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	11	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	14	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	14	2.92
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	14	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	13	2.92
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	13	2.92
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	13	2.92
(1,169)	1:157:A:ALA:HB1	1:172:A:PHE:HA	18	2.92
(1,169)	1:157:A:ALA:HB2	1:172:A:PHE:HA	18	2.92
(1,169)	1:157:A:ALA:HB3	1:172:A:PHE:HA	18	2.92
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	7	2.91
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	7	2.91
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	7	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	2.91
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	2.91
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	2.91
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	9	2.91
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	9	2.91
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	16	2.91
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	16	2.91
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	6	2.91
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	6	2.91
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	6	2.91
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	13	2.91
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	13	2.91
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	13	2.91
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	13	2.91
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	13	2.91
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	13	2.91
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	20	2.91
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	20	2.91
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	20	2.91
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	20	2.91
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	20	2.91
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	20	2.91
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	20	2.91
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	20	2.91
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	20	2.91
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	4	2.91
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	4	2.91
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	4	2.91
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	2.91
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	6	2.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	6	2.91
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	6	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	6	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	6	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	6	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	6	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	6	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	6	2.91
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	20	2.91
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	20	2.91
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	20	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	20	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	20	2.91
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	20	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	20	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	20	2.91
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	20	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	17	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	17	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	17	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	19	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	19	2.91
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	19	2.91
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	11	2.9
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	11	2.9
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	19	2.9
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	19	2.9
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	6	2.9
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	6	2.9
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	6	2.9
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	18	2.9
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	18	2.9
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	18	2.9
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	10	2.89
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	10	2.89
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	10	2.89
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	2.89
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	2.89
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	3	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	3	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	5	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	5	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	15	2.89
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	15	2.89
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	14	2.89
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	14	2.89
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	14	2.89
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	17	2.89
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	17	2.89
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	17	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	15	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	15	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	15	2.89
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	15	2.89
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	15	2.89
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	15	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	15	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	15	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	15	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	19	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	19	2.89
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	19	2.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	19	2.89
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	19	2.89
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	19	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	19	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	19	2.89
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	19	2.89
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	17	2.88
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	17	2.88
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	17	2.88
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	19	2.88
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	19	2.88
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	19	2.88
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	9	2.88
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	9	2.88
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	9	2.88
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	9	2.88
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	9	2.88
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	9	2.88
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	1	2.88
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	1	2.88
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	13	2.88
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	13	2.88
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	18	2.88
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	18	2.88
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	11	2.88
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	11	2.88
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	11	2.88
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	19	2.88
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	19	2.88
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	19	2.88
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	19	2.88
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	19	2.88
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	19	2.88
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	19	2.88
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	19	2.88
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	19	2.88
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	1	2.87
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	1	2.87
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	1	2.87
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	5	2.87
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	5	2.87
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	5	2.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	7	2.87
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	7	2.87
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	7	2.87
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	11	2.87
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	11	2.87
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	11	2.87
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	7	2.87
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	7	2.87
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	7	2.87
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	7	2.87
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	7	2.87
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	7	2.87
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	1	2.87
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	1	2.87
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	12	2.87
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	12	2.87
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	12	2.87
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	12	2.87
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	12	2.87
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	12	2.87
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	3	2.87
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	3	2.87
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	3	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	1	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	1	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	1	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	14	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	14	2.87
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	14	2.87
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	6	2.87
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	13	2.87
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	17	2.87
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	20	2.87
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	9	2.86
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	9	2.86
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	9	2.86
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	2	2.86
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	2	2.86
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	2	2.86
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	18	2.86
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	18	2.86
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	18	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	14	2.86
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	14	2.86
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	14	2.86
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	14	2.86
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	14	2.86
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	14	2.86
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	7	2.86
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	7	2.86
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	7	2.86
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	7	2.86
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	7	2.86
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	7	2.86
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	5	2.86
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	5	2.86
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	8	2.86
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	8	2.86
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	8	2.86
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	8	2.86
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	8	2.86
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	8	2.86
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	8	2.86
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	8	2.86
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	8	2.86
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	11	2.86
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	18	2.86
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	14	2.86
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	6	2.85
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	6	2.85
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	6	2.85
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	8	2.85
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	8	2.85
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	8	2.85
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	8	2.85
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	8	2.85
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	8	2.85
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	18	2.85
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	18	2.85
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	18	2.85
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	18	2.85
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	18	2.85
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	18	2.85
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	18	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	18	2.85
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	18	2.85
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	12	2.85
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	12	2.85
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	12	2.85
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	13	2.85
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	13	2.85
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	13	2.85
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	15	2.85
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	15	2.85
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	15	2.85
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	4	2.85
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	4	2.85
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	4	2.85
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	4	2.85
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	4	2.85
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	4	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	5	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	5	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	5	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	13	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	13	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	13	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	15	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	15	2.85
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	15	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	4	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	4	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	4	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	4	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	4	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	4	2.85
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	4	2.85
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	4	2.85
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	4	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	5	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	5	2.85
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	5	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	5	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	5	2.85
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	5	2.85
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	5	2.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	5	2.85
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	5	2.85
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	8	2.85
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	17	2.85
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	6	2.85
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	20	2.84
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	20	2.84
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	20	2.84
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	6	2.84
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	6	2.84
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	6	2.84
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	9	2.84
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	9	2.84
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	9	2.84
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	14	2.84
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	14	2.84
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	14	2.84
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	20	2.84
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	20	2.84
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	20	2.84
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	2.84
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	2.84
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	2.84
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	5	2.84
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	5	2.84
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	5	2.84
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	5	2.84
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	5	2.84
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	5	2.84
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	15	2.84
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	15	2.84
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	15	2.84
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	11	2.84
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	11	2.84
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	11	2.84
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	5	2.84
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	5	2.84
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	5	2.84
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	9	2.84
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	13	2.84
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	15	2.84
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	9	2.84
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	4	2.83
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	4	2.83
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	4	2.83
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	16	2.83
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	16	2.83
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	16	2.83
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	2.83
(1,1968)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	2.83
(1,1968)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	2.83
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	10	2.83
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	10	2.83
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	10	2.83
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	10	2.83
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	10	2.83
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	10	2.83
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	9	2.83
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	9	2.83
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	9	2.83
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	9	2.83
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	9	2.83
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	9	2.83
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	9	2.83
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	9	2.83
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	9	2.83
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	12	2.83
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	12	2.83
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	12	2.83
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	1	2.83
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	19	2.83
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	19	2.83
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	19	2.83
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	19	2.83
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	19	2.83
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	19	2.83
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	9	2.82
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	9	2.82
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	9	2.82
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	9	2.82
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	9	2.82
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	9	2.82
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	10	2.82
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	10	2.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	10	2.82
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	13	2.82
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	13	2.82
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	13	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	11	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	11	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	11	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	11	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	11	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	11	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	12	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	12	2.82
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	12	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	12	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	12	2.82
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	12	2.82
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	7	2.82
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	7	2.82
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	7	2.82
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	7	2.82
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	7	2.82
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	7	2.82
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	7	2.82
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	7	2.82
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	7	2.82
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	13	2.82
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	13	2.82
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	13	2.82
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	13	2.82
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	13	2.82
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	13	2.82
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	2	2.82
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	19	2.82
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	3	2.82
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	3	2.82
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	3	2.82
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	3	2.82
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	3	2.82
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	3	2.82
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	2	2.82
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	7	2.82
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	12	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	12	2.81
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	12	2.81
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	12	2.81
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	12	2.81
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	12	2.81
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	14	2.81
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	14	2.81
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	14	2.81
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	14	2.81
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	14	2.81
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	14	2.81
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	10	2.81
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	10	2.81
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	10	2.81
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	10	2.81
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	10	2.81
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	10	2.81
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	10	2.81
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	10	2.81
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	10	2.81
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	10	2.81
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	10	2.81
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	10	2.81
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	10	2.81
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	10	2.81
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	10	2.81
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	16	2.81
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	16	2.81
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	16	2.81
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	10	2.81
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	12	2.81
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	16	2.81
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	6	2.81
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	6	2.81
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	6	2.81
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	6	2.81
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	6	2.81
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	6	2.81
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	3	2.81
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	3	2.81
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	3	2.81
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	3	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	3	2.81
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	3	2.81
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	3	2.81
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	3	2.81
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	3	2.81
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	3	2.81
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	8	2.81
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	11	2.81
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	1	2.8
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	1	2.8
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	1	2.8
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	15	2.8
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	15	2.8
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	15	2.8
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	15	2.8
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	15	2.8
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	15	2.8
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	8	2.8
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	8	2.8
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	8	2.8
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	3	2.8
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	4	2.8
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	7	2.8
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	14	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	9	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	9	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	9	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	9	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	9	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	9	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	20	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	20	2.8
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	20	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	20	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	20	2.8
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	20	2.8
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	4	2.8
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	12	2.8
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	18	2.8
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	19	2.8
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	16	2.79
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	16	2.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	16	2.79
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	13	2.79
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	13	2.79
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	13	2.79
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	13	2.79
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	13	2.79
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	13	2.79
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	11	2.79
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	11	2.79
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	11	2.79
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	11	2.79
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	11	2.79
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	11	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	9	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	9	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	9	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	9	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	9	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	9	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	9	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	9	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	9	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	15	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	15	2.79
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	15	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	15	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	15	2.79
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	15	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	15	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	15	2.79
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	15	2.79
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	18	2.79
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	18	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	3	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	3	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	3	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	6	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	6	2.79
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	6	2.79
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	10	2.79
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	15	2.79
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	2	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	2	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	2	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	2	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	2	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	2	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	2	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	2	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	2	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	3	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	3	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	3	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	3	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	3	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	3	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	3	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	3	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	3	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	10	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	10	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	10	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	10	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	10	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	10	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	10	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	10	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	10	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	12	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	12	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	12	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	12	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	12	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	12	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	12	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	12	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	12	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	15	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	15	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	15	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	15	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	15	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	15	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	15	2.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	15	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	15	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	18	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	18	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	18	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	18	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	18	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	18	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	18	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	18	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	18	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	20	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	20	2.78
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	20	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	20	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	20	2.78
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	20	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	20	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	20	2.78
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	20	2.78
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	16	2.78
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	16	2.78
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	16	2.78
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	16	2.78
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	16	2.78
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	16	2.78
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	16	2.78
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	16	2.78
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	16	2.78
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	2.78
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	2.78
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	2.78
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	8	2.78
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	8	2.78
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	8	2.78
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	8	2.78
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	8	2.78
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	8	2.78
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	10	2.77
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	10	2.77
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	10	2.77
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	10	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	10	2.77
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	10	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	1	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	1	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	1	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	1	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	1	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	1	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	1	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	1	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	1	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	5	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	5	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	5	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	5	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	5	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	5	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	5	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	5	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	5	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	6	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	6	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	6	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	6	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	6	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	6	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	6	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	6	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	6	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	8	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	8	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	8	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	8	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	8	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	8	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	8	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	8	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	8	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	9	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	9	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	9	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	9	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	9	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	9	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	9	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	9	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	9	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	13	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	13	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	13	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	13	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	13	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	13	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	13	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	13	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	13	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	14	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	14	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	14	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	14	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	14	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	14	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	14	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	14	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	14	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	16	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	16	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	16	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	16	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	16	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	16	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	16	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	16	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	16	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	17	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	17	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	17	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	17	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	17	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	17	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	17	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	17	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	17	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	19	2.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	19	2.77
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	19	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	19	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	19	2.77
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	19	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	19	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	19	2.77
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	19	2.77
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	13	2.77
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	13	2.77
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	13	2.77
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	6	2.77
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	6	2.77
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	6	2.77
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	17	2.77
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	17	2.77
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	17	2.77
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	17	2.77
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	17	2.77
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	17	2.77
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	17	2.77
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	17	2.77
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	17	2.77
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	12	2.77
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	12	2.77
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	12	2.77
(1,457)	1:122:A:LEU:HB3	1:123:A:HIS:H	5	2.77
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	5	2.77
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	6	2.76
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	6	2.76
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	6	2.76
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	6	2.76
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	6	2.76
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	6	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	4	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	4	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	4	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	4	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	4	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	4	2.76
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	4	2.76
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	4	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	4	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	11	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	11	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	11	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	11	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	11	2.76
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	11	2.76
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	11	2.76
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	11	2.76
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	11	2.76
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	8	2.76
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	8	2.76
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	8	2.76
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	8	2.76
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	8	2.76
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	8	2.76
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	5	2.76
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	5	2.76
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	5	2.76
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	1	2.76
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	1	2.76
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	1	2.76
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	1	2.76
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	1	2.76
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	1	2.76
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	1	2.76
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	1	2.76
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	1	2.76
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	12	2.76
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	12	2.76
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	12	2.76
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	12	2.76
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	12	2.76
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	12	2.76
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	9	2.76
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	9	2.76
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	9	2.76
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	9	2.76
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	9	2.76
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	9	2.76
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	14	2.76
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	14	2.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	14	2.76
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD21	7	2.75
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD22	7	2.75
(1,2087)	1:104:A:THR:HG21	1:108:A:LEU:HD23	7	2.75
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD21	7	2.75
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD22	7	2.75
(1,2087)	1:104:A:THR:HG22	1:108:A:LEU:HD23	7	2.75
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD21	7	2.75
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD22	7	2.75
(1,2087)	1:104:A:THR:HG23	1:108:A:LEU:HD23	7	2.75
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	18	2.75
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	18	2.75
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	18	2.75
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	18	2.75
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	18	2.75
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	18	2.75
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	9	2.75
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	9	2.75
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	9	2.75
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	17	2.75
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	17	2.75
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	17	2.75
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	17	2.75
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	17	2.75
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	17	2.75
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	17	2.75
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	17	2.75
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	17	2.75
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	4	2.75
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	4	2.75
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	14	2.75
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	14	2.75
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	14	2.75
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	14	2.75
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	14	2.75
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	14	2.75
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	14	2.75
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	14	2.75
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	14	2.75
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	14	2.75
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	14	2.75
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	14	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	8	2.75
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	8	2.75
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	8	2.75
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	8	2.75
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	8	2.75
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	8	2.75
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	8	2.75
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	8	2.75
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	8	2.75
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	4	2.75
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	4	2.75
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	4	2.75
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	4	2.75
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	4	2.75
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	4	2.75
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	4	2.75
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	4	2.75
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	4	2.75
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	4	2.74
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	4	2.74
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	4	2.74
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	1	2.74
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	1	2.74
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	1	2.74
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	3	2.74
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	3	2.74
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	3	2.74
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	16	2.74
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	16	2.74
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	16	2.74
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	16	2.74
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	16	2.74
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	16	2.74
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	3	2.74
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	3	2.74
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	14	2.73
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	14	2.73
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	14	2.73
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	14	2.73
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	14	2.73
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	14	2.73
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	6	2.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	6	2.73
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	6	2.73
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	12	2.73
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	12	2.73
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	17	2.73
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	17	2.73
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	17	2.73
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	17	2.73
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	17	2.73
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	17	2.73
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	17	2.73
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	17	2.73
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	17	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	11	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	11	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	11	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	11	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	11	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	11	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	11	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	11	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	11	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	12	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	12	2.73
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	12	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	12	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	12	2.73
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	12	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	12	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	12	2.73
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	12	2.73
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	7	2.72
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	7	2.72
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	7	2.72
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	7	2.72
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	7	2.72
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	7	2.72
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	11	2.72
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	11	2.72
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	11	2.72
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	11	2.72
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	11	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	11	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	4	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	4	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	4	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	4	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	4	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	4	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	13	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	13	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	13	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	13	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	13	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	13	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	19	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	19	2.72
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	19	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	19	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	19	2.72
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	19	2.72
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	1	2.72
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	1	2.72
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	1	2.72
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	1	2.72
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	1	2.72
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	1	2.72
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	1	2.72
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	1	2.72
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	1	2.72
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	3	2.72
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	3	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	3	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	3	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	3	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	3	2.72
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	5	2.72
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	5	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	5	2.72
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	5	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	5	2.72
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	5	2.72
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	12	2.72
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	12	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	12	2.72
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	19	2.72
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	19	2.72
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	19	2.72
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	19	2.72
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	19	2.72
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	19	2.72
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	19	2.72
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	19	2.72
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	19	2.72
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	19	2.72
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	19	2.72
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	19	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	4	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	4	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	4	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	4	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	4	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	4	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	11	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	11	2.72
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	11	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	11	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	11	2.72
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	11	2.72
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	1	2.72
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	13	2.72
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	13	2.72
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	11	2.71
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	11	2.71
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	11	2.71
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	17	2.71
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	17	2.71
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	17	2.71
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	17	2.71
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	17	2.71
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	17	2.71
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	7	2.71
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	7	2.71
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	7	2.71
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	7	2.71
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	7	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	7	2.71
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	7	2.71
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	7	2.71
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	7	2.71
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	20	2.71
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	20	2.71
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	20	2.71
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	20	2.71
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	20	2.71
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	20	2.71
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	8	2.71
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	8	2.71
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	8	2.71
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	9	2.71
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	9	2.71
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	9	2.71
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	2	2.71
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	2	2.71
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	2	2.71
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	2	2.71
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	2	2.71
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	2	2.71
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	2	2.71
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	2	2.71
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	2	2.71
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	5	2.71
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	5	2.71
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	17	2.71
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	17	2.71
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	9	2.71
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	9	2.71
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	9	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	9	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	9	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	9	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	20	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	20	2.71
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	20	2.71
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	2	2.71
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	2	2.71
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	2	2.71
(1,152)	1:94:A:VAL:HB	1:137:A:GLY:HA3	16	2.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	10	2.7
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	10	2.7
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	10	2.7
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	10	2.7
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	10	2.7
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	10	2.7
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	8	2.7
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	8	2.7
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	8	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	13	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	13	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	13	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	13	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	13	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	13	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	20	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	20	2.7
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	20	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	20	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	20	2.7
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	20	2.7
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	2	2.7
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	2	2.7
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	2	2.7
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	2	2.7
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	2	2.7
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	2	2.7
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	2	2.7
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	2	2.7
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	2	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	3	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	3	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	10	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	10	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	13	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	13	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	14	2.7
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	14	2.7
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	11	2.7
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	13	2.7
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	2	2.7
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	2	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	2	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	1	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	1	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	1	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	1	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	1	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	1	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	18	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	18	2.7
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	18	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	18	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	18	2.7
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	18	2.7
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	18	2.7
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	18	2.7
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	8	2.69
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	8	2.69
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	8	2.69
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	8	2.69
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	8	2.69
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	8	2.69
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	20	2.69
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	20	2.69
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	20	2.69
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	20	2.69
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	20	2.69
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	20	2.69
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	13	2.69
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	13	2.69
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	13	2.69
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	10	2.69
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	10	2.69
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	10	2.69
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	10	2.69
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	10	2.69
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	10	2.69
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	10	2.69
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	10	2.69
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	10	2.69
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	11	2.69
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	11	2.69
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	11	2.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	11	2.69
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	11	2.69
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	11	2.69
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	19	2.69
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	19	2.69
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	19	2.69
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	19	2.69
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	19	2.69
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	19	2.69
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	10	2.69
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	10	2.69
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	10	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	1	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	1	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	4	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	4	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	7	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	7	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	15	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	15	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	16	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	16	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	20	2.69
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	20	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	7	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	7	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	7	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	7	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	7	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	7	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	13	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	13	2.69
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	13	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	13	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	13	2.69
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	13	2.69
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	16	2.69
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	16	2.69
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	16	2.69
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	14	2.68
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	14	2.68
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	14	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	14	2.68
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	14	2.68
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	14	2.68
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	13	2.68
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	13	2.68
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	13	2.68
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	13	2.68
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	13	2.68
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	13	2.68
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	3	2.68
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	3	2.68
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	3	2.68
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	3	2.68
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	3	2.68
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	3	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	3	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	3	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	3	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	11	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	11	2.68
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	11	2.68
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	11	2.68
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	11	2.68
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	11	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	2	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	2	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	11	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	11	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	19	2.68
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	19	2.68
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	19	2.68
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	19	2.68
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	19	2.68
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	19	2.68
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	19	2.68
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	19	2.68
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	10	2.68
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	10	2.68
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	10	2.68
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	10	2.68
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	10	2.68
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	10	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	10	2.68
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	10	2.68
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	10	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	8	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	8	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	8	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	11	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	11	2.68
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	11	2.68
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	12	2.67
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	12	2.67
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	12	2.67
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	9	2.67
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	9	2.67
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	9	2.67
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	9	2.67
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	9	2.67
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	9	2.67
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	3	2.67
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	3	2.67
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	3	2.67
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	3	2.67
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	3	2.67
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	3	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	3	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	3	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	3	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	3	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	3	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	3	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	3	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	3	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	3	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	5	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	5	2.67
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	5	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	5	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	5	2.67
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	5	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	5	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	5	2.67
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	5	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	1	2.67
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	1	2.67
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	1	2.67
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	1	2.67
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	1	2.67
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	1	2.67
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	10	2.67
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	10	2.67
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	10	2.67
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	10	2.67
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	10	2.67
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	10	2.67
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	12	2.67
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	12	2.67
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	12	2.67
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	12	2.67
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	12	2.67
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	12	2.67
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	12	2.67
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	12	2.67
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	12	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	4	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	4	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	4	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	4	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	4	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	4	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	4	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	4	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	4	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	7	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	7	2.67
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	7	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	7	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	7	2.67
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	7	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	7	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	7	2.67
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	7	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	6	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	6	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	8	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	8	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	9	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	9	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG12	18	2.67
(1,788)	1:136:A:ILE:H	1:136:A:ILE:HG13	18	2.67
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	20	2.67
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	20	2.67
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	20	2.67
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	20	2.67
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	20	2.67
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	20	2.67
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	20	2.67
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	20	2.67
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	20	2.67
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	9	2.67
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	9	2.67
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	9	2.67
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	9	2.67
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	9	2.67
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	9	2.67
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	9	2.67
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	9	2.67
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	9	2.67
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	7	2.67
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	7	2.67
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	7	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	2	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	2	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	2	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	6	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	6	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	6	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	13	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	13	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	13	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	14	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	14	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	14	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	15	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	15	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	15	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	17	2.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	17	2.67
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	17	2.67
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	2	2.66
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	2	2.66
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	2	2.66
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	6	2.66
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	6	2.66
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	6	2.66
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	6	2.66
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	6	2.66
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	6	2.66
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	4	2.66
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	4	2.66
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	4	2.66
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	10	2.66
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	10	2.66
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	10	2.66
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	10	2.66
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	10	2.66
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	10	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	4	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	4	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	4	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	4	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	4	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	4	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	12	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	12	2.66
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	12	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	12	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	12	2.66
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	12	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	14	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	14	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	14	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	18	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	18	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	18	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	20	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	20	2.66
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	20	2.66
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	11	2.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	11	2.66
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	11	2.66
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	15	2.66
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	15	2.66
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	15	2.66
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	10	2.66
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	10	2.66
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	4	2.66
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	4	2.66
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	4	2.66
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	17	2.66
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	17	2.66
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	17	2.66
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	1	2.66
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	16	2.66
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	16	2.66
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	16	2.66
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	16	2.66
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	16	2.66
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	16	2.66
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	2	2.66
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	2	2.66
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	2	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	3	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	3	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	3	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	12	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	12	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	12	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	18	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	18	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	18	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	19	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	19	2.66
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	19	2.66
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	19	2.65
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	19	2.65
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	19	2.65
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	20	2.65
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	20	2.65
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	20	2.65
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	20	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	20	2.65
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	20	2.65
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	3	2.65
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	3	2.65
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	3	2.65
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	9	2.65
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	9	2.65
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	9	2.65
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	7	2.65
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	7	2.65
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	7	2.65
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	7	2.65
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	7	2.65
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	7	2.65
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	15	2.65
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	15	2.65
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	15	2.65
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	15	2.65
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	15	2.65
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	15	2.65
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	2	2.65
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	2	2.65
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	2	2.65
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	4	2.65
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	4	2.65
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	4	2.65
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	16	2.65
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	16	2.65
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	16	2.65
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	1	2.65
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	1	2.65
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	1	2.65
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	1	2.65
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	1	2.65
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	1	2.65
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	1	2.65
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	1	2.65
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	1	2.65
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	11	2.65
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	11	2.65
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	11	2.65
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	14	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	14	2.65
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	14	2.65
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	9	2.65
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	2	2.65
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	2	2.65
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	2	2.65
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	4	2.65
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	4	2.65
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	4	2.65
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	13	2.65
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	13	2.65
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	13	2.65
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	13	2.65
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	13	2.65
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	13	2.65
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	19	2.65
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	19	2.65
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	19	2.65
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	19	2.65
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	19	2.65
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	19	2.65
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	19	2.65
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	19	2.65
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	19	2.65
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	20	2.65
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	20	2.65
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	20	2.65
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	20	2.65
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	20	2.65
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	20	2.65
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	20	2.65
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	20	2.65
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	20	2.65
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	11	2.65
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	11	2.65
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	11	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	5	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	5	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	5	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	10	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	10	2.65
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	10	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	2	2.65
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	2	2.65
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	2	2.65
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	10	2.65
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	10	2.65
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	10	2.65
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	11	2.64
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	11	2.64
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	11	2.64
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	16	2.64
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	16	2.64
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	16	2.64
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	17	2.64
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	17	2.64
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	17	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	5	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	5	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	5	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	16	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	16	2.64
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	16	2.64
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	17	2.64
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	17	2.64
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	17	2.64
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	20	2.64
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	20	2.64
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	2.64
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	2.64
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	2.64
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	2.64
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	7	2.64
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	7	2.64
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	7	2.64
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	4	2.64
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	4	2.64
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	4	2.64
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	14	2.64
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	14	2.64
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	10	2.64
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	10	2.64
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	10	2.64
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	15	2.64
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	15	2.64
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	15	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	15	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	15	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	15	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	18	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	18	2.64
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	18	2.64
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	5	2.64
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	5	2.64
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	5	2.64
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	5	2.64
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	5	2.64
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	5	2.64
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	5	2.64
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	5	2.64
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	5	2.64
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	4	2.64
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	4	2.64
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	4	2.64
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	18	2.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	18	2.64
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	18	2.64
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	18	2.64
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	2	2.63
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	2	2.63
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	2	2.63
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	5	2.63
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	5	2.63
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	5	2.63
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	10	2.63
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	10	2.63
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	10	2.63
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	15	2.63
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	15	2.63
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	15	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	7	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	7	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	7	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	7	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	7	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	7	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	7	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	7	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	7	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	19	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	19	2.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	19	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	19	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	19	2.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	19	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	19	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	19	2.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	19	2.63
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	6	2.63
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	6	2.63
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	6	2.63
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	6	2.63
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	6	2.63
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	6	2.63
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	7	2.63
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	7	2.63
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	7	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	12	2.63
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	12	2.63
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	12	2.63
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	18	2.63
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	18	2.63
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	18	2.63
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	7	2.63
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	7	2.63
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	7	2.63
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	8	2.63
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	8	2.63
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	8	2.63
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	18	2.63
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	18	2.63
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	14	2.63
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	14	2.63
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	14	2.63
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	14	2.63
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	14	2.63
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	14	2.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	18	2.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	18	2.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	18	2.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	18	2.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	18	2.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	18	2.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	18	2.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	18	2.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	18	2.63
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	7	2.63
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	10	2.63
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	10	2.63
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	10	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	10	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	10	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	10	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	18	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	18	2.63
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	18	2.63
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	12	2.63
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	12	2.63
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	12	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	20	2.63
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	20	2.63
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	20	2.63
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	20	2.63
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	20	2.63
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	20	2.63
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	5	2.63
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	5	2.63
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	5	2.63
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	5	2.63
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	5	2.63
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	5	2.63
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	10	2.63
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	10	2.63
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	10	2.63
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	10	2.63
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	10	2.63
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	10	2.63
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	10	2.63
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	10	2.63
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	10	2.63
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	15	2.63
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	15	2.63
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	15	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	7	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	7	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	7	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	7	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	7	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	7	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	7	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	7	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	7	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	18	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	18	2.63
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	18	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	18	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	18	2.63
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	18	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	18	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	18	2.63
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	18	2.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	19	2.63
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	19	2.63
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	19	2.63
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	19	2.63
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	19	2.63
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	19	2.63
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	19	2.63
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	19	2.63
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	19	2.63
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	13	2.63
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	13	2.63
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	13	2.63
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	13	2.63
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	13	2.63
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	13	2.63
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	13	2.63
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	13	2.63
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	13	2.63
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	20	2.63
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	20	2.63
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	20	2.63
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	1	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	1	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	1	2.62
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	6	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	6	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	6	2.62
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	7	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	7	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	7	2.62
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	12	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	12	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	12	2.62
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	13	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	13	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	13	2.62
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	17	2.62
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	17	2.62
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	17	2.62
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	13	2.62
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	13	2.62
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	13	2.62
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	13	2.62
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	13	2.62
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	13	2.62
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	13	2.62
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	13	2.62
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	1	2.62
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	1	2.62
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	1	2.62
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	7	2.62
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	7	2.62
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	7	2.62
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	8	2.62
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	8	2.62
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	8	2.62
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	2.62
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	2.62
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	2.62
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	9	2.62
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	9	2.62
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	9	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	17	2.62
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	17	2.62
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	17	2.62
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	7	2.62
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	7	2.62
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	11	2.62
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	11	2.62
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	11	2.62
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	11	2.62
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	11	2.62
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	11	2.62
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	11	2.62
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	11	2.62
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	11	2.62
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	17	2.62
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	17	2.62
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	17	2.62
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	17	2.62
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	17	2.62
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	17	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	10	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	10	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	10	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	10	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	10	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	10	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	14	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	14	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	14	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	14	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	14	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	14	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	15	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	15	2.62
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	15	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	15	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	15	2.62
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	15	2.62
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	16	2.62
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	16	2.62
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	16	2.62
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	3	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	3	2.62
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	3	2.62
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	3	2.62
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	3	2.62
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	3	2.62
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	3	2.62
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	3	2.62
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	3	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	1	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	1	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	1	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	1	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	1	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	1	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	1	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	1	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	1	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	2	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	2	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	2	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	2	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	2	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	2	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	2	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	2	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	2	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	3	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	3	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	3	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	3	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	3	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	3	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	3	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	3	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	3	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	7	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	7	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	7	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	7	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	7	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	7	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	7	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	7	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	7	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	10	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	10	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	10	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	10	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	10	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	10	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	10	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	10	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	10	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	12	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	12	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	12	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	12	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	12	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	12	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	12	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	12	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	12	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	15	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	15	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	15	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	15	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	15	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	15	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	15	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	15	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	15	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	16	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	16	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	16	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	16	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	16	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	16	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	16	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	16	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	16	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	18	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	18	2.62
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	18	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	18	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	18	2.62
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	18	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	18	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	18	2.62
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	18	2.62
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	19	2.62
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	19	2.62
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	19	2.62
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	19	2.62
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	15	2.61
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	15	2.61
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	15	2.61
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	1	2.61
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	1	2.61
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	1	2.61
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	1	2.61
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	1	2.61
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	1	2.61
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	14	2.61
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	14	2.61
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	14	2.61
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	19	2.61
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	19	2.61
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	19	2.61
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	20	2.61
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	20	2.61
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	20	2.61
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	15	2.61
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	15	2.61
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	15	2.61
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	15	2.61
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	15	2.61
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	15	2.61
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	2.61
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	2.61
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	1	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	1	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	1	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	20	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	20	2.61
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	20	2.61
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	14	2.61
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	14	2.61
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	4	2.61
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	4	2.61
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	17	2.61
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	17	2.61
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	8	2.61
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	8	2.61
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	8	2.61
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	10	2.61
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	10	2.61
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	10	2.61
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	11	2.61
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	11	2.61
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	11	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	2	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	2	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	2	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	2	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	2	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	2	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	2	2.61
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	2	2.61
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	2	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	15	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	15	2.61
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	15	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	15	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	15	2.61
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	15	2.61
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	15	2.61
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	15	2.61
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	15	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	6	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	6	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	6	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	6	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	6	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	6	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	6	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	6	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	6	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	11	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	11	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	11	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	11	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	11	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	11	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	11	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	11	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	11	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	14	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	14	2.61
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	14	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	14	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	14	2.61
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	14	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	14	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	14	2.61
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	14	2.61
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	7	2.61
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	7	2.61
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	16	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	16	2.6
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	16	2.6
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	16	2.6
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	16	2.6
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	16	2.6
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	1	2.6
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	1	2.6
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	1	2.6
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	1	2.6
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	1	2.6
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	1	2.6
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	17	2.6
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	17	2.6
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	17	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	9	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	9	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	9	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	9	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	9	2.6
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	9	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	8	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	8	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	8	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	8	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	8	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	8	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	14	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	14	2.6
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	14	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	14	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	14	2.6
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	14	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	7	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	7	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	7	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	19	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	19	2.6
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	19	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	2.6
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	2.6
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	10	2.6
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	10	2.6
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	10	2.6
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	10	2.6
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	10	2.6
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	10	2.6
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	10	2.6
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	10	2.6
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	10	2.6
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	2	2.6
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	12	2.6
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	1	2.6
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	1	2.6
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	1	2.6
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	6	2.6
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	6	2.6
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	6	2.6
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	6	2.6
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	6	2.6
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	6	2.6
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	15	2.6
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	15	2.6
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	15	2.6
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	2	2.6
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	2	2.6
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	2	2.6
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	2	2.6
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	2	2.6
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	2	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	2	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	2	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	2	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	4	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	4	2.6
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	4	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	6	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	6	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	6	2.6
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	6	2.6
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	6	2.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	6	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	6	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	6	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	6	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	13	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	13	2.6
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	13	2.6
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	13	2.6
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	13	2.6
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	13	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	13	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	13	2.6
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	13	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	9	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	9	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	9	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	9	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	9	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	9	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	9	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	9	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	9	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	13	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	13	2.6
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	13	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	13	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	13	2.6
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	13	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	13	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	13	2.6
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	13	2.6
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	15	2.6
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	15	2.6
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	15	2.6
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	12	2.59
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	12	2.59
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	12	2.59
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	12	2.59
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	12	2.59
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	12	2.59
(1,1975)	1:156:A:LEU:HD21	1:186:A:ILE:HG13	3	2.59
(1,1975)	1:156:A:LEU:HD22	1:186:A:ILE:HG13	3	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:156:A:LEU:HD23	1:186:A:ILE:HG13	3	2.59
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	2	2.59
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	2	2.59
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	2	2.59
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	2	2.59
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	2	2.59
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	2	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	10	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	17	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	18	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	19	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	19	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	19	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	19	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	19	2.59
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	19	2.59
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	1	2.59
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	1	2.59
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	1	2.59
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	6	2.59
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	6	2.59
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	6	2.59
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	4	2.59
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	4	2.59
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	4	2.59
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	4	2.59
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	4	2.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	4	2.59
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	4	2.59
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	4	2.59
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	4	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	2	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	2	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	2	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	10	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	10	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	10	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	17	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	17	2.59
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	17	2.59
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	8	2.59
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	8	2.59
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	8	2.59
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	13	2.59
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	13	2.59
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	13	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	1	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	1	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	6	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	6	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	12	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	12	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	14	2.59
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	14	2.59
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	3	2.58
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	3	2.58
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	3	2.58
(1,2135)	1:156:A:LEU:HD11	1:186:A:ILE:HG13	18	2.58
(1,2135)	1:156:A:LEU:HD12	1:186:A:ILE:HG13	18	2.58
(1,2135)	1:156:A:LEU:HD13	1:186:A:ILE:HG13	18	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	3	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	3	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	3	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	16	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	16	2.58
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	16	2.58
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	17	2.58
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	17	2.58
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	17	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	17	2.58
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	17	2.58
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	17	2.58
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	9	2.58
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	9	2.58
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	9	2.58
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	6	2.58
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	6	2.58
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	6	2.58
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	6	2.58
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	6	2.58
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	6	2.58
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	6	2.58
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	6	2.58
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	6	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	9	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	9	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	9	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	17	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	17	2.58
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	17	2.58
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	5	2.58
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	5	2.58
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	5	2.58
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	15	2.58
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	15	2.58
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	15	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	2.58
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	13	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	15	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	15	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	15	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	15	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	15	2.58
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	15	2.58
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	8	2.58
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	8	2.58
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	8	2.58
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	7	2.58
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	7	2.58
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	7	2.58
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	11	2.58
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	11	2.58
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	11	2.58
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	9	2.58
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	9	2.58
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	9	2.58
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	9	2.58
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	9	2.58
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	9	2.58
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	14	2.58
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	14	2.58
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	14	2.58
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	14	2.58
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	14	2.58
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	14	2.58
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	14	2.58
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	14	2.58
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	14	2.58
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	17	2.58
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	17	2.58
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	17	2.58
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	17	2.58
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	17	2.58
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	17	2.58
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	17	2.58
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	17	2.58
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	17	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	4	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	4	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	4	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	7	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	7	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	7	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	9	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	9	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	9	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	13	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	13	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	13	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	14	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	14	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	14	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	18	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	18	2.58
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	18	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	15	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	15	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	19	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	19	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	20	2.58
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	20	2.58
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	5	2.57
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	5	2.57
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	5	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	4	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	4	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	4	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	6	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	6	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	6	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	9	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	9	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	9	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	13	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	13	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	13	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	17	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	17	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	17	2.57
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	13	2.57
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	13	2.57
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	13	2.57
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	13	2.57
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	13	2.57
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	13	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	13	2.57
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	13	2.57
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	13	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	6	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	6	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	6	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	13	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	13	2.57
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	13	2.57
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	12	2.57
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	12	2.57
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	12	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	6	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	6	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	6	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	6	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	6	2.57
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	6	2.57
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	5	2.57
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	5	2.57
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	5	2.57
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	14	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	2	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	2	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	2	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	4	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	4	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	4	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	9	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	9	2.57
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	9	2.57
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	19	2.57
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	19	2.57
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	19	2.57
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	19	2.57
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	19	2.57
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	19	2.57
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	8	2.57
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	8	2.57
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	8	2.57
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	18	2.57
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	18	2.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	18	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	1	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	1	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	1	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	6	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	6	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	6	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	11	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	11	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	11	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	16	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	16	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	16	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	19	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	19	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	19	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	20	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	20	2.57
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	20	2.57
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	11	2.57
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	11	2.57
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	11	2.57
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	2	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	2	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	2	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	7	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	7	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	7	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	11	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	11	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	11	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	20	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	20	2.56
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	20	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	4	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	4	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	4	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	8	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	8	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	8	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	10	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	10	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	10	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	14	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	14	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	14	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	15	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	15	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	15	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	20	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	20	2.56
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	20	2.56
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	2	2.56
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	2	2.56
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	2	2.56
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	2	2.56
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	2	2.56
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	2	2.56
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	19	2.56
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	19	2.56
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	19	2.56
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	3	2.56
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	3	2.56
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	3	2.56
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	13	2.56
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	13	2.56
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	13	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	20	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	20	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	20	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	20	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	20	2.56
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	20	2.56
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	15	2.56
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	15	2.56
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	15	2.56
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	8	2.56
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	8	2.56
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	6	2.56
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	6	2.56
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	9	2.56
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	9	2.56
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	9	2.56
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	9	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	9	2.56
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	9	2.56
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	9	2.56
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	9	2.56
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	9	2.56
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	16	2.56
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	16	2.56
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	16	2.56
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	16	2.56
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	16	2.56
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	16	2.56
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	16	2.56
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	16	2.56
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	16	2.56
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	6	2.56
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	13	2.56
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	13	2.56
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	13	2.56
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	8	2.56
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	8	2.56
(1,186)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	8	2.56
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	8	2.56
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	8	2.56
(1,186)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	8	2.56
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	8	2.56
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	8	2.56
(1,186)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	8	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	3	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	3	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	3	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	8	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	8	2.56
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	8	2.56
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	11	2.56
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	11	2.56
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	4	2.55
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	4	2.55
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	4	2.55
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	4	2.55
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	4	2.55
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	4	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	5	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	5	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	5	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	10	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	10	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	10	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	12	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	12	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	12	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	19	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	19	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	19	2.55
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	10	2.55
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	10	2.55
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	10	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	1	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	1	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	1	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	3	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	3	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	3	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	7	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	7	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	7	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	12	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	12	2.55
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	12	2.55
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	3	2.55
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	3	2.55
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	3	2.55
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	18	2.55
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	18	2.55
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	18	2.55
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	2.55
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	2.55
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	2.55
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	18	2.55
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	18	2.55
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	18	2.55
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	18	2.55
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	18	2.55
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	18	2.55
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	18	2.55
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	18	2.55
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	18	2.55
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	16	2.55
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	16	2.55
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	16	2.55
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	4	2.55
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	4	2.55
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	13	2.55
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	13	2.55
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	13	2.55
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	2.55
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	2.55
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	17	2.55
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	17	2.55
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	11	2.55
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	11	2.55
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	11	2.55
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	11	2.55
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	11	2.55
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	11	2.55
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	11	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	11	2.55
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	11	2.55
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	8	2.55
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	18	2.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	7	2.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	7	2.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	7	2.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	7	2.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	7	2.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	7	2.55
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	10	2.55
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	10	2.55
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	10	2.55
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	4	2.55
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	4	2.55
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	4	2.55
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	4	2.55
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	4	2.55
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	4	2.55
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	4	2.55
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	4	2.55
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	4	2.55
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	5	2.55
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	5	2.55
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	5	2.55
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	2	2.55
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	2	2.55
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	2	2.55
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	2	2.55
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	1	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	1	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	1	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	8	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	8	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	8	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	14	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	14	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	14	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	15	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	15	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	15	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	18	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	18	2.54
(1,2127)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	18	2.54
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	9	2.54
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	9	2.54
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	9	2.54
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	9	2.54
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	9	2.54
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	9	2.54
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	15	2.54
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	15	2.54
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	15	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	2	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	2	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	2	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	11	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	11	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	11	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	18	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	18	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	18	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	19	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	19	2.54
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	19	2.54
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	15	2.54
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	15	2.54
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	15	2.54
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	19	2.54
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	19	2.54
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	19	2.54
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	4	2.54
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	4	2.54
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	4	2.54
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	4	2.54
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	4	2.54
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	4	2.54
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	16	2.54
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	16	2.54
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	16	2.54
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	16	2.54
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	16	2.54
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	16	2.54
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	16	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	16	2.54
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	16	2.54
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	7	2.54
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	7	2.54
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	7	2.54
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	2.54
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	2.54
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	12	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	12	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	12	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	12	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	12	2.54
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	12	2.54
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	11	2.54
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	11	2.54
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	11	2.54
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	7	2.54
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	7	2.54
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	8	2.54
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	8	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	8	2.54
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	8	2.54
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	8	2.54
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	8	2.54
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	8	2.54
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	8	2.54
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	8	2.54
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	8	2.54
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	8	2.54
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	8	2.54
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	8	2.54
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	8	2.54
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	8	2.54
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	15	2.54
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	7	2.54
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	7	2.54
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	7	2.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	5	2.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	5	2.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	5	2.54
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	8	2.54
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	8	2.54
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	8	2.54
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	7	2.54
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	7	2.54
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	7	2.54
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	8	2.54
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	8	2.54
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	8	2.54
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	8	2.54
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	16	2.53
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	16	2.53
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	16	2.53
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	16	2.53
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	16	2.53
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	16	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	9	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	9	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	9	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	20	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	20	2.53
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	20	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	5	2.53
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	5	2.53
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	5	2.53
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD11	16	2.53
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD12	16	2.53
(1,2056)	1:108:A:LEU:HA	1:108:A:LEU:HD13	16	2.53
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	6	2.53
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	6	2.53
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	6	2.53
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	6	2.53
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	6	2.53
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	6	2.53
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	4	2.53
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	4	2.53
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	4	2.53
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	2.53
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	2.53
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	2.53
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	8	2.53
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	8	2.53
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	8	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	8	2.53
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	8	2.53
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	8	2.53
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	12	2.53
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	12	2.53
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	12	2.53
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	12	2.53
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	12	2.53
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	12	2.53
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	12	2.53
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	12	2.53
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	12	2.53
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	12	2.53
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	12	2.53
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	12	2.53
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	8	2.53
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	8	2.53
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	8	2.53
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	5	2.53
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	19	2.53
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	2.53
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	2	2.53
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	2	2.53
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	2	2.53
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	2	2.53
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	2	2.53
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	2	2.53
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	2	2.53
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	2	2.53
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	2	2.53
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	7	2.53
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	7	2.53
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	7	2.53
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	9	2.53
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	9	2.53
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	9	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	10	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	10	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	10	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	10	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	10	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	10	2.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	10	2.53
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	10	2.53
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	10	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	12	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	12	2.53
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	12	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	12	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	12	2.53
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	12	2.53
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	12	2.53
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	12	2.53
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	12	2.53
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	8	2.53
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	8	2.53
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	8	2.53
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	8	2.53
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	8	2.53
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	8	2.53
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	8	2.53
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	8	2.53
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	8	2.53
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	18	2.53
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	18	2.53
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	18	2.53
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	18	2.53
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	18	2.53
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	18	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	4	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	4	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	4	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	10	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	10	2.53
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	10	2.53
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	10	2.53
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	10	2.53
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	10	2.53
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	7	2.52
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	7	2.52
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	7	2.52
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	15	2.52
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	15	2.52
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	15	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	11	2.52
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	11	2.52
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	11	2.52
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	11	2.52
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	11	2.52
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	11	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	1	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	1	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	1	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	11	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	11	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	11	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	12	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	12	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	12	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	17	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	17	2.52
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	17	2.52
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	12	2.52
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	12	2.52
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	12	2.52
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	12	2.52
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	12	2.52
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	12	2.52
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	12	2.52
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	12	2.52
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	12	2.52
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	9	2.52
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	9	2.52
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	9	2.52
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	9	2.52
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	9	2.52
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	9	2.52
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	9	2.52
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	9	2.52
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	9	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	3	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	3	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	3	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	14	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	14	2.52
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	14	2.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	3	2.52
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	3	2.52
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	3	2.52
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	6	2.52
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	6	2.52
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	6	2.52
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	15	2.52
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	20	2.52
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	4	2.52
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	4	2.52
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	4	2.52
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	4	2.52
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	4	2.52
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	4	2.52
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	4	2.52
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	4	2.52
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	4	2.52
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	5	2.52
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	5	2.52
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	5	2.52
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	5	2.52
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	5	2.52
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	5	2.52
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	2	2.52
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	2	2.52
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	2	2.52
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	2	2.52
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	2	2.52
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	2	2.52
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	5	2.52
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	5	2.52
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	5	2.52
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	5	2.52
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	5	2.52
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	5	2.52
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	5	2.52
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	5	2.52
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	5	2.52
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	18	2.51
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	18	2.51
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	18	2.51
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	18	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	18	2.51
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	18	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	4	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	4	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	4	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	5	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	5	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	5	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	6	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	6	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	6	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	13	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	13	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	13	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	16	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	16	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	16	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	18	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	18	2.51
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	18	2.51
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	7	2.51
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	7	2.51
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	7	2.51
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	15	2.51
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	15	2.51
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	15	2.51
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	15	2.51
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	15	2.51
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	15	2.51
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	15	2.51
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	15	2.51
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	15	2.51
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	7	2.51
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	7	2.51
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	7	2.51
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	7	2.51
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	7	2.51
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	7	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	3	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	3	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	3	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	3	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	3	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	3	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	3	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	3	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	3	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	4	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	4	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	4	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	4	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	4	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	4	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	4	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	4	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	4	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	12	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	12	2.51
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	12	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	12	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	12	2.51
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	12	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	12	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	12	2.51
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	12	2.51
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	4	2.51
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	4	2.51
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	4	2.51
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	16	2.51
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	16	2.51
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	16	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	4	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	4	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	4	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	16	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	16	2.51
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	16	2.51
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	7	2.51
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	7	2.51
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	7	2.51
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	7	2.51
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	7	2.51
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	7	2.51
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	7	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	7	2.51
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	7	2.51
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	16	2.51
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	16	2.51
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	16	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	4	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	14	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	14	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	14	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	14	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	14	2.51
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	14	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	6	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	6	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	6	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	19	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	19	2.51
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	19	2.51
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	20	2.51
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	20	2.51
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	20	2.51
(1,984)	1:85:A:THR:H	1:86:A:SER:H	6	2.51
(1,984)	1:85:A:THR:H	1:86:A:SER:H	7	2.51
(1,984)	1:85:A:THR:H	1:86:A:SER:H	18	2.51
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	10	2.51
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	10	2.51
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	10	2.51
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	10	2.51
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	10	2.51
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	10	2.51
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	10	2.51
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	10	2.51
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	10	2.51
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	17	2.51
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	17	2.51
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	17	2.51
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	16	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	16	2.51
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	16	2.51
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	10	2.51
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	10	2.51
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	10	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	11	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	11	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	11	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	11	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	11	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	11	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	11	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	11	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	11	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	14	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	14	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	14	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	14	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	14	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	14	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	14	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	14	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	14	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	17	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	17	2.51
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	17	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	17	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	17	2.51
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	17	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	17	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	17	2.51
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	17	2.51
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG21	12	2.51
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG22	12	2.51
(1,56)	1:136:A:ILE:HA	1:136:A:ILE:HG23	12	2.51
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	16	2.51
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	16	2.51
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	16	2.51
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	17	2.51
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	17	2.51
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	17	2.51
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	18	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	18	2.5
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	18	2.5
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	4	2.5
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	4	2.5
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	4	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	3	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	3	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	3	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	14	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	14	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	14	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	19	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	19	2.5
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	19	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	3	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	3	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	3	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	5	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	5	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	5	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	6	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	6	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	6	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	13	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	13	2.5
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	13	2.5
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	19	2.5
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	19	2.5
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	19	2.5
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	19	2.5
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	19	2.5
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	19	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	7	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	7	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	7	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	7	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	7	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	7	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	7	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	7	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	7	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	11	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	11	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	11	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	11	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	11	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	11	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	11	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	11	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	11	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	17	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	17	2.5
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	17	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	17	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	17	2.5
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	17	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	17	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	17	2.5
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	17	2.5
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	6	2.5
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	6	2.5
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	6	2.5
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	15	2.5
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	15	2.5
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	15	2.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	6	2.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	6	2.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	6	2.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	6	2.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	6	2.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	6	2.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	6	2.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	6	2.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	6	2.5
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	12	2.5
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	12	2.5
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	12	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	2	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	7	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	7	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	7	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	7	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	7	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	7	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	9	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	16	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	16	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	16	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	16	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	16	2.5
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	16	2.5
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	5	2.5
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	5	2.5
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	5	2.5
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	10	2.5
(1,984)	1:85:A:THR:H	1:86:A:SER:H	4	2.5
(1,984)	1:85:A:THR:H	1:86:A:SER:H	8	2.5
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	5	2.5
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	5	2.5
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	5	2.5
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	13	2.5
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	13	2.5
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	13	2.5
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	13	2.5
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	13	2.5
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	13	2.5
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	13	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	12	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	12	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	12	2.5
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	12	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	12	2.5
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	12	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	12	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	12	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	12	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	15	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	15	2.5
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	15	2.5
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	15	2.5
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	15	2.5
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	15	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	15	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	15	2.5
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	15	2.5
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	4	2.5
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	5	2.5
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	5	2.5
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	5	2.5
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	15	2.5
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	15	2.5
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	15	2.5
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	6	2.5
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	6	2.5
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	6	2.5
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	6	2.5
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	18	2.5
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	18	2.5
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	18	2.5
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	18	2.5
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	18	2.5
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	18	2.5
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	18	2.5
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	18	2.5
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	18	2.5
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	8	2.5
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	8	2.5
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	8	2.5
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	8	2.5
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	8	2.5
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	8	2.5
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	8	2.5
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	8	2.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	8	2.5
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	7	2.5
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	7	2.5
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	7	2.5
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	8	2.5
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	8	2.5
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	1	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	1	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	1	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	2	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	2	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	2	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	5	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	5	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	5	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	6	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	6	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	6	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	7	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	7	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	7	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	8	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	8	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	8	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	9	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	9	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	9	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	11	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	11	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	11	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	14	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	14	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	14	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	16	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	16	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	16	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	17	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	17	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	17	2.49
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	19	2.49
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	19	2.49
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	19	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	2	2.49
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	2	2.49
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	2	2.49
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	7	2.49
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	7	2.49
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	7	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	18	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	18	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	18	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	19	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	19	2.49
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	19	2.49
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	4	2.49
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	4	2.49
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	4	2.49
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	4	2.49
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	4	2.49
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	4	2.49
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	4	2.49
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	4	2.49
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	4	2.49
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	13	2.49
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	13	2.49
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	13	2.49
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	13	2.49
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	13	2.49
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	13	2.49
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	13	2.49
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	13	2.49
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	13	2.49
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG21	10	2.49
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG22	10	2.49
(1,1909)	1:100:A:LEU:HB2	1:105:A:VAL:HG23	10	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	1	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	1	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	1	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	20	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	20	2.49
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	20	2.49
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	2.49
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	2.49
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	1	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	11	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	11	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	11	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	11	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	11	2.49
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	11	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	4	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	4	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	4	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	18	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	18	2.49
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	18	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	3	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	3	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	3	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	5	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	5	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	5	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	6	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	6	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	6	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	13	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	13	2.49
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	13	2.49
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	3	2.49
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	3	2.49
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	3	2.49
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	3	2.49
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	3	2.49
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	3	2.49
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	3	2.49
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	3	2.49
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	9	2.49
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	9	2.49
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	9	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	1	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	1	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	1	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.49
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.49
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	16	2.49
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	16	2.49
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	16	2.49
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	16	2.49
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	16	2.49
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	16	2.49
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	16	2.49
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	16	2.49
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	16	2.49
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	14	2.49
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	14	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	14	2.49
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	20	2.48
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	20	2.48
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	20	2.48
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	12	2.48
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	12	2.48
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	12	2.48
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	12	2.48
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	12	2.48
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	12	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	3	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	3	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	3	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	10	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	10	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	10	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	12	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	12	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	12	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	13	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	13	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	13	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	15	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	15	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	15	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	18	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	18	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	18	2.48
(1,2177)	1:109:A:VAL:HG21	1:110:A:SER:H	20	2.48
(1,2177)	1:109:A:VAL:HG22	1:110:A:SER:H	20	2.48
(1,2177)	1:109:A:VAL:HG23	1:110:A:SER:H	20	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	13	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	13	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	13	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	13	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	13	2.48
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	13	2.48
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	16	2.48
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	16	2.48
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	16	2.48
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	16	2.48
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	16	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	10	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	10	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	10	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	10	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	10	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	10	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	10	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	10	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	10	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	20	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	20	2.48
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	20	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	20	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	20	2.48
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	20	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	20	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	20	2.48
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	20	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	6	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	6	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	6	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	7	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	7	2.48
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	7	2.48
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	2.48
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	2.48
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	12	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	12	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	12	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	12	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	12	2.48
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	12	2.48
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	12	2.48
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	12	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	2	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	2	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	2	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	10	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	10	2.48
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	10	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	18	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	18	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	18	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	19	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	19	2.48
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	19	2.48
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	16	2.48
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	16	2.48
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	3	2.48
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	3	2.48
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	3	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	19	2.48
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	19	2.48
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	19	2.48
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	19	2.48
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	19	2.48
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	19	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	8	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	8	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	8	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	11	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	11	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	11	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	14	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	14	2.48
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	14	2.48
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	15	2.48
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	15	2.48
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	15	2.48
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	9	2.48
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	9	2.48
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	9	2.48
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	9	2.48
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	5	2.48
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	5	2.48
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	5	2.48
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	2	2.47
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	2	2.47
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	2	2.47
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	8	2.47
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	8	2.47
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	8	2.47
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	8	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	8	2.47
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	8	2.47
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	8	2.47
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG11	8	2.47
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG12	8	2.47
(1,2098)	1:109:A:VAL:H	1:109:A:VAL:HG13	8	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	14	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	14	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	14	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	14	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	14	2.47
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	14	2.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	17	2.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	17	2.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	17	2.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	17	2.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	17	2.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	17	2.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	17	2.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	17	2.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	17	2.47
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	13	2.47
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	13	2.47
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	13	2.47
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	13	2.47
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	13	2.47
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	13	2.47
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	13	2.47
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	13	2.47
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	13	2.47
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	16	2.47
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	16	2.47
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	16	2.47
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	16	2.47
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	16	2.47
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	16	2.47
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	17	2.47
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	17	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	17	2.47
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	8	2.47
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	8	2.47
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	8	2.47
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	2.47
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	2.47
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	2.47
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	7	2.47
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	7	2.47
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	7	2.47
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	9	2.47
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	9	2.47
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	3	2.47
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	3	2.47
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	3	2.47
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	3	2.47
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	3	2.47
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	3	2.47
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	3	2.47
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	3	2.47
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	3	2.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	14	2.47
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	14	2.47
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	14	2.47
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	14	2.47
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	14	2.47
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	14	2.47
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	4	2.47
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	4	2.47
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	4	2.47
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	17	2.47
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	17	2.47
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	17	2.47
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	17	2.47
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	17	2.47
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	17	2.47
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	17	2.47
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	17	2.47
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	17	2.47
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	19	2.47
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	19	2.47
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	19	2.47
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	17	2.47
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	17	2.47
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	17	2.47
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	17	2.47
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	17	2.47
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	17	2.47
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	17	2.47
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	17	2.47
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	17	2.47
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	5	2.47
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	5	2.47
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	5	2.47
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	5	2.47
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	9	2.47
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	9	2.47
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	9	2.47
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	16	2.46
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	16	2.46
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	16	2.46
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	16	2.46
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	16	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	16	2.46
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	16	2.46
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	16	2.46
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	16	2.46
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	16	2.46
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	16	2.46
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	16	2.46
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	16	2.46
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	16	2.46
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	16	2.46
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	16	2.46
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	16	2.46
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	16	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	4	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	4	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	4	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	18	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	18	2.46
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	18	2.46
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	20	2.46
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	20	2.46
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	20	2.46
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	18	2.46
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	18	2.46
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	18	2.46
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	18	2.46
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	18	2.46
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	18	2.46
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	18	2.46
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	18	2.46
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	18	2.46
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	4	2.46
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	4	2.46
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	4	2.46
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	4	2.46
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	4	2.46
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	4	2.46
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	4	2.46
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	4	2.46
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	4	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	2.46
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	2.46
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	18	2.46
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	18	2.46
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	18	2.46
(1,984)	1:85:A:THR:H	1:86:A:SER:H	14	2.46
(1,984)	1:85:A:THR:H	1:86:A:SER:H	17	2.46
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	8	2.46
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	8	2.46
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	8	2.46
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	8	2.46
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	8	2.46
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	8	2.46
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	8	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	6	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	6	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	6	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	7	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	7	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	7	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	9	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	9	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	9	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	14	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	14	2.46
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	14	2.46
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	7	2.46
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	7	2.46
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	7	2.46
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	7	2.46
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	7	2.46
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	7	2.46
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	7	2.46
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	7	2.46
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	7	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	13	2.46
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	13	2.46
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	13	2.46
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	13	2.46
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	13	2.46
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	13	2.46
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	18	2.46
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	18	2.46
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	18	2.46
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	3	2.46
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	3	2.46
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	3	2.46
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	12	2.46
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	12	2.46
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	12	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	9	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	9	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	9	2.46
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	9	2.46
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	9	2.46
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	9	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	9	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	9	2.46
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	9	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	7	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	7	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	7	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	7	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	7	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	7	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	7	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	7	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	7	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	8	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	8	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	8	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	8	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	8	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	8	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	8	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	8	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	8	2.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	20	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	20	2.46
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	20	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	20	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	20	2.46
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	20	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	20	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	20	2.46
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	20	2.46
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	9	2.46
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	9	2.46
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	9	2.46
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	9	2.46
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	9	2.46
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	9	2.46
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	9	2.46
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	9	2.46
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	9	2.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	9	2.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	9	2.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	9	2.46
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	1	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	1	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	1	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	20	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	20	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	20	2.45
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	1	2.45
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	1	2.45
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	1	2.45
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	16	2.45
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	16	2.45
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	16	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	1	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	1	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	1	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	13	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	13	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	15	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	15	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	15	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	16	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	16	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	18	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	18	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	19	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	19	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	19	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	20	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	20	2.45
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	20	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	2	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	2	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	2	2.45
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	2	2.45
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	2	2.45
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	2	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG21	5	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG22	5	2.45
(1,2099)	1:91:A:TYR:HD1	1:109:A:VAL:HG23	5	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG21	5	2.45
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG22	5	2.45
(1,2099)	1:91:A:TYR:HD2	1:109:A:VAL:HG23	5	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	3	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	7	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	20	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	20	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	20	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	20	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	20	2.45
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	20	2.45
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	11	2.45
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	11	2.45
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	11	2.45
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	11	2.45
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	11	2.45
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	11	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	2	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	2	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	2	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	2	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	2	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	2	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	2	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	2	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	2	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	5	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	5	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	5	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	5	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	5	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	5	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	5	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	5	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	5	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	8	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	8	2.45
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	8	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	8	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	8	2.45
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	8	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	8	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	8	2.45
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	8	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	6	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	6	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	6	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	10	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	10	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	10	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	11	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	11	2.45
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	11	2.45
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	9	2.45
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	9	2.45
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	9	2.45
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	1	2.45
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	1	2.45
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	1	2.45
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	6	2.45
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	6	2.45
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	6	2.45
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	6	2.45
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	6	2.45
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	6	2.45
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	6	2.45
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	6	2.45
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	6	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	19	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	19	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	19	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	19	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	19	2.45
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	19	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	19	2.45
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	19	2.45
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	19	2.45
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	19	2.45
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	19	2.45
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	19	2.45
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	19	2.45
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	17	2.45
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	17	2.45
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	17	2.45
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	13	2.45
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	13	2.45
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	18	2.45
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	18	2.45
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	18	2.45
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	14	2.45
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	13	2.45
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	13	2.45
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	13	2.45
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	13	2.45
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	13	2.45
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	13	2.45
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	13	2.45
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	13	2.45
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	13	2.45
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	16	2.45
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	10	2.45
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	10	2.45
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	10	2.45
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	10	2.45
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	10	2.45
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	10	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	10	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	10	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	10	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	10	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	11	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	11	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	11	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	15	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	15	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	15	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	17	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	17	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	17	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	19	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	19	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	19	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	20	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	20	2.45
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	20	2.45
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	2	2.45
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	2	2.45
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	2	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	2	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	2	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	2	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	2	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	2	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	2	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	2	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	2	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	2	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	14	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	14	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	14	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	14	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	14	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	14	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	14	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	14	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	14	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	18	2.45
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	18	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	18	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	18	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	18	2.45
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	18	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	18	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	18	2.45
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	18	2.45
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	9	2.45
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	9	2.45
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	9	2.45
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	9	2.45
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	9	2.45
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	9	2.45
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	9	2.45
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	9	2.45
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	9	2.45
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	10	2.45
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	12	2.45
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	12	2.45
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	12	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	4	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	4	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	4	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	5	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	5	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	5	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	14	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	14	2.45
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	14	2.45
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	17	2.45
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	17	2.45
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	17	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	3	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	3	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	3	2.45
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	3	2.45
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	3	2.45
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	3	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	3	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	3	2.45
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	3	2.45
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	20	2.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	20	2.45
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	20	2.45
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	10	2.44
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	10	2.44
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	10	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	4	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	4	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	5	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	5	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	6	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	6	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	6	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	10	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	10	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	11	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	11	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	11	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	12	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	12	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	14	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	14	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	14	2.44
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	14	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	19	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	19	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	19	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	19	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	19	2.44
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	19	2.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	1	2.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	1	2.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	1	2.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	1	2.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	1	2.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	1	2.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	1	2.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	1	2.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	1	2.44
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	18	2.44
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	18	2.44
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	18	2.44
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	18	2.44
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	18	2.44
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	18	2.44
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	18	2.44
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	18	2.44
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	18	2.44
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	13	2.44
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	13	2.44
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	13	2.44
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	8	2.44
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	8	2.44
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	8	2.44
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	8	2.44
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	8	2.44
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	8	2.44
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	8	2.44
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	8	2.44
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	8	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	2.44
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	18	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	18	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	18	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	18	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	18	2.44
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	18	2.44
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	18	2.44
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	18	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	3	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD11	5	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD12	5	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD13	5	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD21	5	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD22	5	2.44
(1,1822)	1:189:A:LEU:HA	1:189:A:LEU:HD23	5	2.44
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	2	2.44
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	2	2.44
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	2	2.44
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	6	2.44
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	6	2.44
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	6	2.44
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	13	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	13	2.44
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	13	2.44
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	20	2.44
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	20	2.44
(1,984)	1:85:A:THR:H	1:86:A:SER:H	19	2.44
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	5	2.44
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	5	2.44
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	5	2.44
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	5	2.44
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	5	2.44
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	5	2.44
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	5	2.44
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	5	2.44
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	5	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	4	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	4	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	11	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	11	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	16	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	16	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	16	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	16	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	16	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	16	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	16	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	17	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	17	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	20	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	20	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	20	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	20	2.44
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	20	2.44
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	20	2.44
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	20	2.44
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	10	2.44
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	10	2.44
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	10	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	8	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	8	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	8	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	13	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	13	2.44
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	13	2.44
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	1	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	1	2.44
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	1	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	1	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	1	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	1	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	1	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	1	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	1	2.44
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	17	2.44
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	17	2.44
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	17	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	17	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	17	2.44
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	17	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	17	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	17	2.44
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	17	2.44
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	12	2.44
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	12	2.44
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	12	2.44
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	12	2.44
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	12	2.44
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	12	2.44
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	12	2.44
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	12	2.44
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	12	2.44
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	20	2.44
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	20	2.44
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	20	2.44
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	20	2.44
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	20	2.44
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	20	2.44
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	4	2.44
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	4	2.44
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	4	2.44
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	12	2.44
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	12	2.44
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	12	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	15	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	15	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	15	2.44
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	15	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	15	2.44
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	15	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	15	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	15	2.44
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	15	2.44
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	17	2.44
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	17	2.44
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	17	2.44
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	17	2.44
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	17	2.44
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	17	2.44
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	17	2.44
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	17	2.44
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	17	2.44
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	5	2.44
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	5	2.44
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	5	2.44
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	10	2.43
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	10	2.43
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	10	2.43
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	10	2.43
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	10	2.43
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	10	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	1	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	1	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	1	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	1	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	1	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	1	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	1	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	1	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	1	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	5	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	5	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	5	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	5	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	5	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	5	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	5	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	5	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	5	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	9	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	9	2.43
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	9	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	9	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	9	2.43
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	9	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	9	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	9	2.43
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	9	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	2	2.43
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	2	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	3	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	3	2.43
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	3	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	9	2.43
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	9	2.43
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	9	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	11	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	11	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	11	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	11	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	11	2.43
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	11	2.43
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	8	2.43
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	8	2.43
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	8	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	1	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	1	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	1	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	3	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	3	2.43
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	3	2.43
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	15	2.43
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	15	2.43
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	15	2.43
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	15	2.43
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	15	2.43
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	15	2.43
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	15	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	15	2.43
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	15	2.43
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	4	2.43
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	4	2.43
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	4	2.43
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	4	2.43
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	4	2.43
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	4	2.43
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	4	2.43
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	4	2.43
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	4	2.43
(1,984)	1:85:A:THR:H	1:86:A:SER:H	2	2.43
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	8	2.43
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	2	2.43
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	2	2.43
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	2	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	1	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	1	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	2	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	2	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	9	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	9	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	9	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	9	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	9	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	9	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	9	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	9	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	9	2.43
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	9	2.43
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	9	2.43
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	9	2.43
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	4	2.43
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	4	2.43
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	4	2.43
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	6	2.43
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	6	2.43
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	6	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	13	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	13	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	13	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	13	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	13	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	13	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	13	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	13	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	13	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	20	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	20	2.43
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	20	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	20	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	20	2.43
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	20	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	20	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	20	2.43
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	20	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	4	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	4	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	4	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	4	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	4	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	4	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	4	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	4	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	4	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	10	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	10	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	10	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	10	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	10	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	10	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	10	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	10	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	10	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	11	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	11	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	11	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	11	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	11	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	11	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	11	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	11	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	11	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	14	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	14	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	14	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	14	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	14	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	14	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	14	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	14	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	14	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	15	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	15	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	15	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	15	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	15	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	15	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	15	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	15	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	15	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	16	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	16	2.43
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	16	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	16	2.43
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	16	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	16	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	16	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	16	2.43
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	16	2.43
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	20	2.43
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	20	2.43
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	20	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	2	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	2	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	2	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	2	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	5	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	5	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	5	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	5	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	5	2.43
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	5	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	5	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	5	2.43
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	5	2.43
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	14	2.43
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	14	2.43
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	14	2.43
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	14	2.43
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	14	2.43
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	14	2.43
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	3	2.43
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	3	2.43
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	3	2.43
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	9	2.43
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	9	2.43
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	9	2.43
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	9	2.43
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	9	2.43
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	9	2.43
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	9	2.43
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	9	2.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	9	2.43
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	15	2.42
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	15	2.42
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	15	2.42
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	15	2.42
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	15	2.42
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	15	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	11	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	11	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	11	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	11	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	11	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	11	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	11	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	11	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	11	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	14	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	14	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	14	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	14	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	14	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	14	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	14	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	14	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	14	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	16	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	16	2.42
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	16	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	16	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	16	2.42
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	16	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	16	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	16	2.42
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	16	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	7	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	7	2.42
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	7	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG11	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG12	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG13	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG21	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG22	1:188:A:PHE:HE2	17	2.42
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE1	17	2.42
(1,2100)	1:109:A:VAL:HG23	1:188:A:PHE:HE2	17	2.42
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	18	2.42
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	18	2.42
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	18	2.42
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	18	2.42
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	18	2.42
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	18	2.42
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	18	2.42
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	18	2.42
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	18	2.42
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	12	2.42
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	12	2.42
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	12	2.42
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	15	2.42
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	15	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	15	2.42
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	16	2.42
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	16	2.42
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	16	2.42
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	16	2.42
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	16	2.42
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	16	2.42
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	15	2.42
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	15	2.42
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	15	2.42
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	15	2.42
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	15	2.42
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	15	2.42
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	15	2.42
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	15	2.42
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	15	2.42
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	8	2.42
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	8	2.42
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	8	2.42
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	12	2.42
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	12	2.42
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	12	2.42
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	2.42
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	2.42
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	2.42
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	5	2.42
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	5	2.42
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	5	2.42
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	5	2.42
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	5	2.42
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	5	2.42
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	5	2.42
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	13	2.42
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	13	2.42
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	13	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	1	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	1	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	1	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	1	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	1	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	1	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	1	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	1	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	1	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	8	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	8	2.42
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	8	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	8	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	8	2.42
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	8	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	8	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	8	2.42
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	8	2.42
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	8	2.42
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	8	2.42
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	8	2.42
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	8	2.42
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	8	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	8	2.42
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	8	2.42
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	8	2.42
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	8	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	2	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	2	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	2	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	13	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	13	2.42
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	13	2.42
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	8	2.42
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	8	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	1	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	1	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	1	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	1	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	16	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	16	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	16	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	16	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	16	2.42
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	16	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	16	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	16	2.42
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	16	2.42
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	14	2.42
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	14	2.42
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	14	2.42
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	3	2.42
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	3	2.42
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	3	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	3	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	3	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	3	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	3	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	3	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	3	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	13	2.42
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	13	2.42
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	13	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	13	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	13	2.42
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	13	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	13	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	13	2.42
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	13	2.42
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	8	2.42
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	8	2.42
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	8	2.42
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	8	2.42
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	8	2.42
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	8	2.42
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	8	2.42
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	8	2.42
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	8	2.42
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	17	2.42
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	17	2.42
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	17	2.42
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	7	2.42
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	7	2.42
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	7	2.42
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	7	2.42
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	15	2.42
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	5	2.41
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	5	2.41
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	5	2.41
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	10	2.41
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	10	2.41
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	10	2.41
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	10	2.41
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	10	2.41
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	10	2.41
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	10	2.41
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	10	2.41
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	10	2.41
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	8	2.41
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	8	2.41
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	8	2.41
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	8	2.41
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	8	2.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	13	2.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	13	2.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	13	2.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	13	2.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	13	2.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	13	2.41
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	20	2.41
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	20	2.41
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	20	2.41
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	7	2.41
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	7	2.41
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	7	2.41
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	16	2.41
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	16	2.41
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	16	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	3	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	3	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	5	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	5	2.41
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	5	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	5	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	5	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	5	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	11	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	11	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	11	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	15	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	15	2.41
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	15	2.41
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	15	2.41
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	15	2.41
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	15	2.41
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	15	2.41
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	15	2.41
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	15	2.41
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	15	2.41
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	15	2.41
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	15	2.41
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	7	2.41
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	7	2.41
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	7	2.41
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	7	2.41
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	7	2.41
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	7	2.41
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	7	2.41
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	7	2.41
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	7	2.41
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	10	2.41
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	11	2.41
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	11	2.41
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	18	2.41
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	18	2.41
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	18	2.41
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	18	2.41
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	18	2.41
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	18	2.41
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	9	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	9	2.41
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	9	2.41
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	9	2.41
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	9	2.41
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	9	2.41
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	19	2.41
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	19	2.41
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	19	2.41
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	19	2.41
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	19	2.41
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	19	2.41
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	19	2.41
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	19	2.41
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	19	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	18	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	18	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	19	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	19	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	19	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	19	2.41
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	19	2.41
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	19	2.41
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	19	2.41
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	15	2.41
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	15	2.41
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	15	2.41
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	16	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	16	2.41
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	16	2.41
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	16	2.41
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	16	2.41
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	16	2.41
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	19	2.41
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	19	2.41
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	19	2.41
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	19	2.41
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	19	2.41
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	19	2.41
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	19	2.41
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	19	2.41
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	19	2.41
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	13	2.41
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	13	2.41
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	2	2.41
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	2	2.41
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	2	2.41
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	2	2.41
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	2	2.41
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	2	2.41
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	11	2.41
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	11	2.41
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	11	2.41
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	11	2.41
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	11	2.41
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	11	2.41
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	11	2.41
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	11	2.41
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	11	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	3	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	3	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	3	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	20	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	20	2.41
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	20	2.41
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	3	2.41
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	3	2.41
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	3	2.41
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	3	2.41
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	3	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	3	2.41
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	10	2.41
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	10	2.41
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	10	2.41
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	10	2.41
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	10	2.41
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	10	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	12	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	12	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	12	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	17	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	17	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	17	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG21	19	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG22	19	2.41
(1,281)	1:68:A:GLY:HA3	1:155:A:THR:HG23	19	2.41
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	11	2.41
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	11	2.41
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	11	2.41
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	11	2.41
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	11	2.41
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	11	2.41
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	11	2.41
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	11	2.41
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	11	2.41
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	16	2.41
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	16	2.41
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	16	2.41
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	8	2.4
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	8	2.4
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	8	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	1	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	1	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	1	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	1	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	1	2.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	1	2.4
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	11	2.4
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	11	2.4
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	11	2.4
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	9	2.4
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	9	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	9	2.4
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	13	2.4
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	13	2.4
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	13	2.4
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	13	2.4
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	13	2.4
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	13	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	2	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	16	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	16	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	16	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	16	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	16	2.4
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	16	2.4
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	10	2.4
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	10	2.4
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	10	2.4
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	10	2.4
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	10	2.4
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	10	2.4
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	10	2.4
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	10	2.4
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	10	2.4
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	1	2.4
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	1	2.4
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	1	2.4
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	2	2.4
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	2	2.4
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	2	2.4
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	5	2.4
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	5	2.4
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	5	2.4
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	12	2.4
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	12	2.4
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	12	2.4
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	18	2.4
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	18	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	18	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	16	2.4
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	16	2.4
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	2	2.4
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	2	2.4
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	2	2.4
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	2	2.4
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	2	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	2	2.4
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	9	2.4
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	9	2.4
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	9	2.4
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	17	2.4
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	17	2.4
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	17	2.4
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	3	2.4
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	3	2.4
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	3	2.4
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	3	2.4
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	3	2.4
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	3	2.4
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	3	2.4
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	3	2.4
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	3	2.4
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	19	2.4
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	19	2.4
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	19	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	6	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	6	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	6	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	6	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	6	2.4
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	6	2.4
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	6	2.4
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	6	2.4
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	20	2.4
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	20	2.4
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	20	2.4
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	4	2.4
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	16	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	16	2.4
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	16	2.4
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	3	2.4
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	3	2.4
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	3	2.4
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	3	2.4
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	3	2.4
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	3	2.4
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	15	2.4
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	15	2.4
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	15	2.4
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	15	2.4
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	15	2.4
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	15	2.4
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	15	2.4
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	9	2.4
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	9	2.4
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	9	2.4
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	10	2.4
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	10	2.4
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	10	2.4
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	18	2.4
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	18	2.4
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	18	2.4
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	18	2.4
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	18	2.4
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	18	2.4
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	18	2.4
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	18	2.4
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	18	2.4
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	13	2.4
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	13	2.4
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	13	2.4
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	10	2.4
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	10	2.4
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	10	2.4
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	8	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	8	2.4
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	8	2.4
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	8	2.4
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	8	2.4
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	8	2.4
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	8	2.4
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	8	2.4
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	8	2.4
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	13	2.4
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	13	2.4
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	13	2.4
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	19	2.4
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	19	2.4
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	19	2.4
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	19	2.4
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	19	2.4
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	19	2.4
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	19	2.4
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	19	2.4
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	19	2.4
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	11	2.4
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	11	2.4
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	11	2.4
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	11	2.4
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	11	2.4
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	1	2.4
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	1	2.4
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	1	2.4
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	6	2.4
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	3	2.39
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	3	2.39
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	3	2.39
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	3	2.39
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	3	2.39
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	3	2.39
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	3	2.39
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	3	2.39
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	3	2.39
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	7	2.39
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	7	2.39
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	7	2.39
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	7	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	7	2.39
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	7	2.39
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	7	2.39
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	7	2.39
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	7	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	9	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	9	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	9	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	9	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	9	2.39
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	9	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	2	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	2	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	2	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	18	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	18	2.39
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	18	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	7	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	7	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	7	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	14	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	14	2.39
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	14	2.39
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	1	2.39
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	1	2.39
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	1	2.39
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	10	2.39
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	10	2.39
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	10	2.39
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	11	2.39
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	11	2.39
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	11	2.39
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	11	2.39
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	11	2.39
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	11	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	2	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	2	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	2	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	14	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	14	2.39
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	14	2.39
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	20	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	20	2.39
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	20	2.39
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	20	2.39
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	20	2.39
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	20	2.39
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	20	2.39
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	20	2.39
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	10	2.39
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	10	2.39
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	10	2.39
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	10	2.39
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	10	2.39
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	10	2.39
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	10	2.39
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	10	2.39
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	10	2.39
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	13	2.39
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	13	2.39
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	16	2.39
(1,984)	1:85:A:THR:H	1:86:A:SER:H	16	2.39
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	1	2.39
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	1	2.39
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	1	2.39
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	2	2.39
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	2	2.39
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	2	2.39
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	4	2.39
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	4	2.39
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	4	2.39
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	15	2.39
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	15	2.39
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	15	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	15	2.39
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	15	2.39
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	15	2.39
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	15	2.39
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	15	2.39
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	15	2.39
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	18	2.39
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	18	2.39
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	18	2.39
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	18	2.39
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	18	2.39
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	18	2.39
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	18	2.39
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	18	2.39
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	18	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	13	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	13	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	13	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG21	20	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG22	20	2.39
(1,573)	1:178:A:TRP:HZ3	1:186:A:ILE:HG23	20	2.39
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	3	2.39
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	3	2.39
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	9	2.39
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	9	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	4	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	4	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	4	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	4	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	6	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	6	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	6	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	6	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	6	2.39
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	6	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	6	2.39
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	6	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	6	2.39
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	1	2.39
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	1	2.39
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	1	2.39
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	14	2.39
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	14	2.39
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	14	2.39
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	14	2.39
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	14	2.39
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	14	2.39
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	14	2.39
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	14	2.39
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	14	2.39
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	20	2.39
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	20	2.39
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	20	2.39
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	2	2.38
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	2	2.38
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	2	2.38
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	2	2.38
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	2	2.38
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	2	2.38
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	2	2.38
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	2	2.38
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	2	2.38
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	15	2.38
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	15	2.38
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	15	2.38
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	15	2.38
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	15	2.38
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	15	2.38
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	15	2.38
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	15	2.38
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	15	2.38
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	8	2.38
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	8	2.38
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	8	2.38
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	12	2.38
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	12	2.38
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	12	2.38
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	12	2.38
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	12	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	12	2.38
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	12	2.38
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	12	2.38
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	12	2.38
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	14	2.38
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	14	2.38
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	14	2.38
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD21	14	2.38
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD22	14	2.38
(1,1908)	1:100:A:LEU:HB3	1:100:A:LEU:HD23	14	2.38
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	2	2.38
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	2	2.38
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	2	2.38
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	2	2.38
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	2	2.38
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	2	2.38
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	2	2.38
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	2	2.38
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	2	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	8	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	8	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	8	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	17	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	17	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	17	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	17	2.38
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	17	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	17	2.38
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	17	2.38
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	17	2.38
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	8	2.38
(1,984)	1:85:A:THR:H	1:86:A:SER:H	3	2.38
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	3	2.38
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	3	2.38
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	3	2.38
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	6	2.38
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	6	2.38
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	6	2.38
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	10	2.38
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	10	2.38
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	10	2.38
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	13	2.38
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	13	2.38
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	13	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	2	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	2	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	2	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	2	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	2	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	2	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	5	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	5	2.38
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	5	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	5	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	5	2.38
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	5	2.38
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	5	2.38
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	5	2.38
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	5	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	5	2.38
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	5	2.38
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	5	2.38
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	19	2.38
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	19	2.38
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	19	2.38
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	6	2.38
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	6	2.38
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	14	2.38
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	14	2.38
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	14	2.38
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	17	2.38
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	18	2.38
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	18	2.38
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	18	2.38
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	14	2.38
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	14	2.38
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	8	2.38
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	8	2.38
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	8	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	15	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	15	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	15	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	17	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	17	2.38
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	17	2.38
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	3	2.38
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	3	2.38
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	3	2.38
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	20	2.38
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	20	2.38
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	20	2.38
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	20	2.38
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	20	2.38
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	20	2.38
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB1	15	2.38
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB2	15	2.38
(1,336)	1:92:A:ARG:HB2	1:132:A:ALA:HB3	15	2.38
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB1	15	2.38
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB2	15	2.38
(1,336)	1:92:A:ARG:HB3	1:132:A:ALA:HB3	15	2.38
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	3	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	3	2.38
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	3	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	3	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	3	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	3	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	3	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	3	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	3	2.38
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	6	2.38
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	6	2.38
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	6	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	6	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	6	2.38
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	6	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	6	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	6	2.38
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	6	2.38
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	19	2.38
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	19	2.38
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	19	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	19	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	19	2.38
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	19	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	19	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	19	2.38
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	19	2.38
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	1	2.38
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	1	2.38
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	1	2.38
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	1	2.38
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	1	2.38
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	1	2.38
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	1	2.38
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	1	2.38
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	1	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	2	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	2	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	2	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	3	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	3	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	3	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	6	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	6	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	6	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	9	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	9	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	9	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	11	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	11	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	11	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	15	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	15	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	15	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	18	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	18	2.38
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	18	2.38
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	17	2.38
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	17	2.38
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	17	2.38
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	17	2.38
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	20	2.38
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	4	2.37
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	4	2.37
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	4	2.37
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	17	2.37
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	17	2.37
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	17	2.37
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	17	2.37
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	17	2.37
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	17	2.37
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	17	2.37
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	17	2.37
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	17	2.37
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	5	2.37
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	5	2.37
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	5	2.37
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	8	2.37
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	8	2.37
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	8	2.37
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	8	2.37
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	8	2.37
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	8	2.37
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	8	2.37
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	8	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	8	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	1	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	1	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	1	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	1	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	1	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	1	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	1	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	1	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	1	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	6	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	6	2.37
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	6	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	6	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	6	2.37
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	6	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	6	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	6	2.37
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	6	2.37
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	18	2.37
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	18	2.37
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	18	2.37
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	2.37
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	2.37
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	3	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	3	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	3	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	3	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	3	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	3	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	3	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	3	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	3	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	5	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	5	2.37
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	5	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	5	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	5	2.37
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	5	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	5	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	5	2.37
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	5	2.37
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	2	2.37
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	2	2.37
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	2	2.37
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	18	2.37
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	18	2.37
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	8	2.37
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	8	2.37
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	8	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	1	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	1	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	1	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	1	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	1	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	1	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	16	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	16	2.37
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	16	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	16	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	16	2.37
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	16	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	14	2.37
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	14	2.37
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	14	2.37
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	14	2.37
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	14	2.37
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	14	2.37
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	14	2.37
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	14	2.37
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	14	2.37
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	20	2.37
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	20	2.37
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	20	2.37
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	13	2.37
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	13	2.37
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	13	2.37
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	13	2.37
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	13	2.37
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	13	2.37
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	4	2.37
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	4	2.37
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	4	2.37
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	4	2.37
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	4	2.37
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	4	2.37
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	4	2.37
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	4	2.37
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	4	2.37
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	13	2.37
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	13	2.37
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	15	2.37
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	15	2.37
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD11	5	2.37
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD12	5	2.37
(1,529)	1:117:A:GLY:HA2	1:120:A:ILE:HD13	5	2.37
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	10	2.37
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	10	2.37
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	14	2.37
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	14	2.37
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	18	2.37
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	18	2.37
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	12	2.37
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	12	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	12	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	10	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	10	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	10	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	10	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	10	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	10	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	10	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	10	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	10	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	15	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	15	2.37
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	15	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	15	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	15	2.37
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	15	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	15	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	15	2.37
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	15	2.37
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	12	2.37
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	12	2.37
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	12	2.37
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	20	2.37
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	20	2.37
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	20	2.37
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	19	2.37
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	1	2.36
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	1	2.36
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	1	2.36
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	1	2.36
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	1	2.36
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	1	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	6	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	10	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	10	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	10	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	10	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	10	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	10	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	12	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	18	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	18	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	18	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	18	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	18	2.36
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	18	2.36
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	5	2.36
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	5	2.36
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	5	2.36
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	12	2.36
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	12	2.36
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	12	2.36
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	12	2.36
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	12	2.36
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	12	2.36
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	12	2.36
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	12	2.36
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	12	2.36
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	13	2.36
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	13	2.36
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	13	2.36
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	10	2.36
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	10	2.36
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	10	2.36
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	10	2.36
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	10	2.36
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	10	2.36
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	10	2.36
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	10	2.36
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	10	2.36
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	2.36
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	2.36
(1,1837)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	2.36
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	12	2.36
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	12	2.36
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	12	2.36
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	3	2.36
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	17	2.36
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	17	2.36
(1,984)	1:85:A:THR:H	1:86:A:SER:H	15	2.36
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	11	2.36
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	11	2.36
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	11	2.36
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	17	2.36
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	17	2.36
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	17	2.36
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	4	2.36
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	6	2.36
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	6	2.36
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	6	2.36
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	17	2.36
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	17	2.36
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	17	2.36
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	17	2.36
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	17	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	17	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	6	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	6	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	6	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	6	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	6	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	6	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	6	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	6	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	6	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	19	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	19	2.36
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	19	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	19	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	19	2.36
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	19	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	19	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	19	2.36
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	19	2.36
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	8	2.36
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	8	2.36
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	8	2.36
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	19	2.36
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	19	2.36
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	19	2.36
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	1	2.36
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	1	2.36
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	12	2.36
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	12	2.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	11	2.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	11	2.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	11	2.36
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	15	2.36
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	15	2.36
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	15	2.36
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	15	2.36
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	15	2.36
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	15	2.36
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	15	2.36
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	15	2.36
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	15	2.36
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	14	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	14	2.36
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	14	2.36
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	11	2.36
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	11	2.36
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	11	2.36
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	13	2.36
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	17	2.36
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	17	2.36
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	1	2.35
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	1	2.35
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	1	2.35
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	12	2.35
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	12	2.35
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	12	2.35
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	4	2.35
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	4	2.35
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	4	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	15	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	15	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	15	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	15	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	15	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	15	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	15	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	15	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	15	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	18	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	18	2.35
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	18	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	18	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	18	2.35
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	18	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	18	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	18	2.35
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	18	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	4	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	17	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	17	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	17	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	17	2.35
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	17	2.35
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	20	2.35
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	20	2.35
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	20	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	7	2.35
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	7	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	7	2.35
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	7	2.35
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	13	2.35
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	13	2.35
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	13	2.35
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	14	2.35
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	14	2.35
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	14	2.35
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	17	2.35
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	8	2.35
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	15	2.35
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	19	2.35
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	20	2.35
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	20	2.35
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	12	2.35
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	12	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	1	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	5	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	9	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	10	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	11	2.35
(1,984)	1:85:A:THR:H	1:86:A:SER:H	20	2.35
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	14	2.35
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	18	2.35
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	8	2.35
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	8	2.35
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	8	2.35
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	8	2.35
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	8	2.35
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	8	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	12	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	12	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	12	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	13	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	13	2.35
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	13	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	15	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	15	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	15	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	18	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	18	2.35
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	18	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	7	2.35
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	7	2.35
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	7	2.35
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	7	2.35
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	7	2.35
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	7	2.35
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	7	2.35
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	20	2.35
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	20	2.35
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	20	2.35
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	6	2.35
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	6	2.35
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	6	2.35
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	6	2.35
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	6	2.35
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	6	2.35
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	6	2.35
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	6	2.35
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	6	2.35
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	14	2.35
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	14	2.35
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	14	2.35
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	14	2.35
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	14	2.35
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	14	2.35
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	14	2.35
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	14	2.35
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	14	2.35
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	4	2.35
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	4	2.35
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	10	2.35
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	10	2.35
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	11	2.35
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	11	2.35
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	2	2.35
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	2	2.35
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	17	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	17	2.35
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	17	2.35
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	17	2.35
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	17	2.35
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	17	2.35
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	17	2.35
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	17	2.35
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	17	2.35
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	14	2.35
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	14	2.35
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	14	2.35
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	14	2.35
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	14	2.35
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	14	2.35
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	14	2.35
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	14	2.35
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	14	2.35
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	20	2.35
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	20	2.35
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	20	2.35
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	5	2.35
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	5	2.35
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	5	2.35
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	12	2.35
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	12	2.35
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	12	2.35
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	12	2.35
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	15	2.35
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	15	2.35
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	15	2.35
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	15	2.35
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	12	2.35
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	12	2.35
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	12	2.35
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	13	2.34
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	13	2.34
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	13	2.34
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	1	2.34
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	1	2.34
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	1	2.34
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	1	2.34
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	1	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	1	2.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	11	2.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	11	2.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	11	2.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	11	2.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	11	2.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	11	2.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	11	2.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	11	2.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	11	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	3	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	3	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	3	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	17	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	17	2.34
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	17	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	9	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	9	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	9	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	19	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	19	2.34
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	19	2.34
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	12	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	12	2.34
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	12	2.34
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	17	2.34
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	17	2.34
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	17	2.34
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	17	2.34
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	17	2.34
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	17	2.34
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	17	2.34
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	17	2.34
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	17	2.34
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	5	2.34
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	5	2.34
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	5	2.34
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	10	2.34
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	10	2.34
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	10	2.34
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	15	2.34
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	15	2.34
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	15	2.34
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	9	2.34
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	9	2.34
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	9	2.34
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	9	2.34
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	9	2.34
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	9	2.34
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	9	2.34
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	9	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	9	2.34
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	10	2.34
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	10	2.34
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	10	2.34
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	3	2.34
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	20	2.34
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	20	2.34
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	20	2.34
(1,984)	1:85:A:THR:H	1:86:A:SER:H	12	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	2	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	5	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	6	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	8	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	10	2.34
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	16	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	4	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	4	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	4	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	4	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	4	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	4	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	6	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	6	2.34
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	6	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	6	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	6	2.34
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	6	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	2	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	2	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	2	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	7	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	7	2.34
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	7	2.34
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	2	2.34
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	2	2.34
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	2	2.34
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	1	2.34
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	1	2.34
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	1	2.34
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	1	2.34
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	1	2.34
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	1	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	1	2.34
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	1	2.34
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	1	2.34
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	6	2.34
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	6	2.34
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	16	2.34
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	16	2.34
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	18	2.34
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	18	2.34
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	15	2.34
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	15	2.34
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	10	2.34
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	10	2.34
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	10	2.34
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	17	2.34
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	17	2.34
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	17	2.34
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	17	2.34
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	17	2.34
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	17	2.34
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	17	2.34
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	17	2.34
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	17	2.34
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	17	2.34
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	17	2.34
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	17	2.34
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	17	2.34
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	17	2.34
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	17	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	4	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	4	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	4	2.34
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	4	2.34
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	4	2.34
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	4	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	4	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	4	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	4	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	6	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	6	2.34
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	6	2.34
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	6	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	6	2.34
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	6	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	6	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	6	2.34
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	6	2.34
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	9	2.34
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	9	2.34
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	9	2.34
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	9	2.34
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	9	2.34
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	9	2.34
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	9	2.34
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	9	2.34
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	9	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	1	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	1	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	1	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	7	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	7	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	7	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	13	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	13	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	13	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	19	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	19	2.34
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	19	2.34
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	17	2.33
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	17	2.33
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	17	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	1	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	1	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	1	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	2	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	2	2.33
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	2	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	13	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	13	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	13	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	19	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	19	2.33
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	19	2.33
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	12	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	12	2.33
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	12	2.33
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	4	2.33
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	4	2.33
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	4	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	2	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	2	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	2	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	5	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	5	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	5	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	6	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	6	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	6	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	8	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	8	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	8	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	10	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	10	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	10	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	11	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	11	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	11	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	12	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	12	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	12	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	13	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	13	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	13	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	18	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	18	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	18	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	19	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	19	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	19	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	20	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	20	2.33
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	20	2.33
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	8	2.33
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	8	2.33
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	8	2.33
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	8	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	8	2.33
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	8	2.33
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	8	2.33
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	8	2.33
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	8	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	13	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	13	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	13	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	13	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	13	2.33
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	13	2.33
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	13	2.33
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	13	2.33
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	11	2.33
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	11	2.33
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	9	2.33
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	7	2.33
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	7	2.33
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	7	2.33
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	19	2.33
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	19	2.33
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	19	2.33
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	20	2.33
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	20	2.33
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	20	2.33
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	15	2.33
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	15	2.33
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	11	2.33
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	11	2.33
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	11	2.33
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	11	2.33
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	11	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	11	2.33
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	5	2.33
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	5	2.33
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	5	2.33
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	5	2.33
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	5	2.33
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	5	2.33
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	15	2.33
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	15	2.33
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	15	2.33
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	15	2.33
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	15	2.33
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	15	2.33
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	15	2.33
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	15	2.33
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	15	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	10	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	10	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	10	2.33
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	10	2.33
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	10	2.33
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	10	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	10	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	10	2.33
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	10	2.33
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	15	2.33
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	15	2.33
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	15	2.33
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	15	2.33
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	15	2.33
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	15	2.33
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	11	2.33
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	11	2.33
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	1	2.33
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	1	2.33
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	1	2.33
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	13	2.33
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	13	2.33
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	13	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	11	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	11	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	11	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	11	2.33
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	11	2.33
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	11	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	11	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	11	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	11	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	14	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	14	2.33
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	14	2.33
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	14	2.33
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	14	2.33
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	14	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	14	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	14	2.33
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	14	2.33
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	13	2.33
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	13	2.33
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	13	2.33
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	11	2.33
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	11	2.33
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	9	2.33
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	7	2.32
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	7	2.32
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	7	2.32
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	7	2.32
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	7	2.32
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	7	2.32
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	12	2.32
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	12	2.32
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	12	2.32
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	7	2.32
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	7	2.32
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	7	2.32
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	8	2.32
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	8	2.32
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	8	2.32
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	14	2.32
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	14	2.32
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	14	2.32
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	16	2.32
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	16	2.32
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	16	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	20	2.32
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	20	2.32
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	20	2.32
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	12	2.32
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	12	2.32
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	12	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	11	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	11	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	11	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	14	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	14	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	14	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	16	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	16	2.32
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	16	2.32
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	10	2.32
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	10	2.32
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	10	2.32
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	17	2.32
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	17	2.32
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	17	2.32
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	3	2.32
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	3	2.32
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	3	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	18	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	18	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	18	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	19	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	19	2.32
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	19	2.32
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	11	2.32
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	11	2.32
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	11	2.32
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	11	2.32
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	11	2.32
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	11	2.32
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	11	2.32
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	11	2.32
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	11	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	1	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	1	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	1	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	3	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	3	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	3	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	4	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	4	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	4	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	7	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	7	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	7	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	9	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	9	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	9	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	16	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	16	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	16	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD11	17	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD12	17	2.32
(1,1884)	1:113:A:LEU:HG	1:113:A:LEU:HD13	17	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	10	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	10	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	10	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	15	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	15	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	15	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	15	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	15	2.32
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	15	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	15	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	15	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	15	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	15	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	15	2.32
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	15	2.32
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	15	2.32
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	13	2.32
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	13	2.32
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	13	2.32
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	13	2.32
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	13	2.32
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	13	2.32
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	13	2.32
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	13	2.32
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	13	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	1	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	1	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	1	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	2	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	2	2.32
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	2	2.32
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	4	2.32
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	11	2.32
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	9	2.32
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	9	2.32
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	9	2.32
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	20	2.32
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	20	2.32
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	20	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	2	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	2	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	2	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	14	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	14	2.32
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	14	2.32
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	6	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	10	2.32
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	18	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	1	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	1	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	1	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	4	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	4	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	4	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	13	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	13	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	13	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	16	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	16	2.32
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	16	2.32
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	1	2.32
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	1	2.32
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	1	2.32
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	1	2.32
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	1	2.32
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	1	2.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	16	2.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	16	2.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	16	2.32
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	16	2.32
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	16	2.32
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	16	2.32
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	16	2.32
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	16	2.32
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	16	2.32
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	16	2.32
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	16	2.32
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	16	2.32
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	5	2.32
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	5	2.32
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	5	2.32
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	5	2.32
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	5	2.32
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	5	2.32
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	5	2.32
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	5	2.32
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	5	2.32
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	17	2.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	17	2.32
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	20	2.32
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	20	2.32
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	18	2.32
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	18	2.32
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	18	2.32
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	18	2.32
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	18	2.32
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	18	2.32
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	18	2.32
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	18	2.32
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	18	2.32
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	20	2.32
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	4	2.32
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	4	2.32
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	4	2.32
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	3	2.32
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	4	2.32
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	18	2.31
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	18	2.31
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	18	2.31
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	11	2.31
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	11	2.31
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	11	2.31
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	15	2.31
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	15	2.31
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	15	2.31
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	19	2.31
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	19	2.31
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	19	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	11	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	11	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	11	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	15	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	15	2.31
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	15	2.31
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	1	2.31
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	1	2.31
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	1	2.31
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	1	2.31
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	1	2.31
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	1	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	12	2.31
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	12	2.31
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	12	2.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	12	2.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	12	2.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	12	2.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	12	2.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	12	2.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	12	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	5	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD11	15	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD12	15	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD13	15	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD21	15	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD22	15	2.31
(1,2088)	1:105:A:VAL:HA	1:108:A:LEU:HD23	15	2.31
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	18	2.31
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	18	2.31
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	18	2.31
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	18	2.31
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	18	2.31
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	18	2.31
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	18	2.31
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	18	2.31
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	18	2.31
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	16	2.31
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	16	2.31
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	16	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	11	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	11	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	11	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	11	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	11	2.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	11	2.31
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	8	2.31
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	8	2.31
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	8	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	8	2.31
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	8	2.31
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	8	2.31
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	8	2.31
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	8	2.31
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	8	2.31
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	4	2.31
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	4	2.31
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	4	2.31
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	8	2.31
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	8	2.31
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	8	2.31
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	11	2.31
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	11	2.31
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	11	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	4	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	4	2.31
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	4	2.31
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD11	20	2.31
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD12	20	2.31
(1,1892)	1:116:A:TRP:HB3	1:200:A:LEU:HD13	20	2.31
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	13	2.31
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	13	2.31
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	13	2.31
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	13	2.31
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	13	2.31
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	13	2.31
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	13	2.31
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	13	2.31
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	13	2.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	3	2.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	3	2.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	3	2.31
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	14	2.31
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	14	2.31
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	12	2.31
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	12	2.31
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	12	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	10	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	10	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	10	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	16	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	16	2.31
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	16	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	10	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	10	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	10	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	12	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	12	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	12	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	14	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	14	2.31
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	14	2.31
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	9	2.31
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	9	2.31
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	9	2.31
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	9	2.31
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	9	2.31
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	9	2.31
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	11	2.31
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	11	2.31
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	11	2.31
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	9	2.31
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	9	2.31
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	9	2.31
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	9	2.31
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	9	2.31
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	9	2.31
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	9	2.31
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	9	2.31
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	9	2.31
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	12	2.31
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	12	2.31
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	12	2.31
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	12	2.31
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	12	2.31
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	12	2.31
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	12	2.31
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	12	2.31
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	12	2.31
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	2	2.31
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	2	2.31
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	2	2.31
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	18	2.31
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	5	2.31
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	5	2.31
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	20	2.31
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	20	2.31
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	3	2.31
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	3	2.31
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	11	2.31
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	11	2.31
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	11	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	11	2.31
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	14	2.31
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	14	2.31
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	14	2.31
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	13	2.31
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	13	2.31
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	9	2.31
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	9	2.31
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	6	2.31
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	6	2.31
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	6	2.31
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	7	2.31
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	7	2.31
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	7	2.31
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	8	2.31
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	6	2.31
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	6	2.31
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	6	2.31
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	16	2.3
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	16	2.3
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	16	2.3
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	16	2.3
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	16	2.3
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	16	2.3
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	9	2.3
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	9	2.3
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	9	2.3
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	18	2.3
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	18	2.3
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	18	2.3
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	12	2.3
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	12	2.3
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	12	2.3
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	14	2.3
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	14	2.3
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	14	2.3
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	7	2.3
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	7	2.3
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	7	2.3
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	1	2.3
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	1	2.3
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	1	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	10	2.3
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	10	2.3
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	10	2.3
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	18	2.3
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	18	2.3
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	18	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	14	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	14	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	14	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	14	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	14	2.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	14	2.3
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	9	2.3
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	9	2.3
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	9	2.3
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	9	2.3
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	9	2.3
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	9	2.3
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	9	2.3
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	9	2.3
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	9	2.3
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	3	2.3
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	3	2.3
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	3	2.3
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	6	2.3
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	6	2.3
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	6	2.3
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	1	2.3
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	1	2.3
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	1	2.3
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	1	2.3
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	1	2.3
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	1	2.3
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	1	2.3
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	1	2.3
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	1	2.3
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	13	2.3
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	13	2.3
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	6	2.3
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	6	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	4	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	4	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	4	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	17	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	17	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	17	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	18	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	18	2.3
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	18	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	9	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	9	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	9	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	17	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	17	2.3
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	17	2.3
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	1	2.3
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	1	2.3
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	1	2.3
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	1	2.3
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	1	2.3
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	1	2.3
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	16	2.3
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	16	2.3
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	16	2.3
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	16	2.3
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	16	2.3
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	16	2.3
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	16	2.3
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	16	2.3
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	16	2.3
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	16	2.3
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	16	2.3
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	16	2.3
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	16	2.3
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	16	2.3
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	16	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	7	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	7	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	7	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	7	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	7	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	7	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	7	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	7	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	7	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	14	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	14	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	14	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	14	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	19	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	19	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	19	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	19	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	19	2.3
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	19	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	19	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	19	2.3
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	19	2.3
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	9	2.3
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	9	2.3
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	9	2.3
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	9	2.3
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	1	2.3
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	1	2.3
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	1	2.3
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	1	2.3
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	1	2.3
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	1	2.3
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	15	2.3
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	15	2.3
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	15	2.3
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	15	2.3
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	15	2.3
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	15	2.3
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	20	2.3
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	20	2.3
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	20	2.3
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	20	2.3
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	20	2.3
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	20	2.3
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	20	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	20	2.3
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	20	2.3
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	4	2.3
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	4	2.3
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	4	2.3
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	4	2.3
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	4	2.3
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	4	2.3
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	4	2.3
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	4	2.3
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	4	2.3
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	20	2.3
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	20	2.3
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	20	2.3
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	11	2.3
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	5	2.29
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	5	2.29
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	5	2.29
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	20	2.29
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	20	2.29
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	20	2.29
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	16	2.29
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	16	2.29
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	16	2.29
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	16	2.29
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	16	2.29
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	16	2.29
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	8	2.29
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	8	2.29
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	8	2.29
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	2	2.29
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	2	2.29
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	2	2.29
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	9	2.29
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	9	2.29
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	9	2.29
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	17	2.29
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	17	2.29
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	17	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	11	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	11	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	11	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	11	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	11	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	11	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	11	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	11	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	11	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	14	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	14	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	14	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	14	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	14	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	14	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	14	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	14	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	14	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	19	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	19	2.29
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	19	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	19	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	19	2.29
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	19	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	19	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	19	2.29
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	19	2.29
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	7	2.29
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	7	2.29
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	7	2.29
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	19	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	5	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	5	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	5	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	7	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	7	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	7	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	15	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	15	2.29
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	15	2.29
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	8	2.29
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	8	2.29
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	8	2.29
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	5	2.29
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	5	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	5	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	8	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	8	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	8	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	11	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	11	2.29
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	11	2.29
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	12	2.29
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	12	2.29
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	12	2.29
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	1	2.29
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	1	2.29
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	1	2.29
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	1	2.29
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	1	2.29
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	1	2.29
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	1	2.29
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	1	2.29
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	1	2.29
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	8	2.29
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	8	2.29
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	8	2.29
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	8	2.29
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	8	2.29
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	8	2.29
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	8	2.29
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	8	2.29
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	8	2.29
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	5	2.29
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	5	2.29
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	5	2.29
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	2	2.29
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	2	2.29
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	2	2.29
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	7	2.29
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	7	2.29
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	14	2.29
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	14	2.29
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	14	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	9	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	9	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	9	2.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	9	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	9	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	9	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	9	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	9	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	9	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	11	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	11	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	11	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	11	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	11	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	11	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	11	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	11	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	11	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	13	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	13	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	13	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	13	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	13	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	13	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	13	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	13	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	13	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	17	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	17	2.29
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	17	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	17	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	17	2.29
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	17	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	17	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	17	2.29
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	17	2.29
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	6	2.29
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	19	2.28
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	19	2.28
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	19	2.28
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	2	2.28
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	2	2.28
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	2	2.28
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	2	2.28
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	2	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	2	2.28
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	12	2.28
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	12	2.28
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	12	2.28
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	12	2.28
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	12	2.28
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	12	2.28
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	12	2.28
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	12	2.28
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	12	2.28
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	9	2.28
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	9	2.28
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	9	2.28
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	11	2.28
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	11	2.28
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	11	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	5	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	5	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	5	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	5	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	5	2.28
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	5	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	2	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	2	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	2	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	5	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	5	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	5	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	9	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	9	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	9	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	11	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	11	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	11	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	20	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	20	2.28
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	20	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	8	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	8	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	8	2.28
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	8	2.28
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	8	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	8	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	8	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	8	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	8	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	11	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	11	2.28
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	11	2.28
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	11	2.28
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	11	2.28
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	11	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	11	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	11	2.28
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	11	2.28
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	13	2.28
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	13	2.28
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	13	2.28
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	13	2.28
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	13	2.28
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	13	2.28
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	13	2.28
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	13	2.28
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	13	2.28
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	6	2.28
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	6	2.28
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	6	2.28
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	6	2.28
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	6	2.28
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	6	2.28
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	6	2.28
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	6	2.28
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	6	2.28
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	6	2.28
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	6	2.28
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	6	2.28
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	19	2.28
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	19	2.28
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	19	2.28
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	20	2.28
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	20	2.28
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	19	2.28
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	19	2.28
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	19	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	2	2.28
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	9	2.28
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	13	2.28
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	13	2.28
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	13	2.28
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	14	2.28
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	14	2.28
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	14	2.28
(1,865)	1:234:A:ILE:HG21	1:234:A:ILE:HG12	18	2.28
(1,865)	1:234:A:ILE:HG22	1:234:A:ILE:HG12	18	2.28
(1,865)	1:234:A:ILE:HG23	1:234:A:ILE:HG12	18	2.28
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	6	2.28
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	6	2.28
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	6	2.28
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	6	2.28
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	6	2.28
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	6	2.28
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	5	2.28
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	5	2.28
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	5	2.28
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	5	2.28
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	10	2.28
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	10	2.28
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	10	2.28
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	10	2.28
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	10	2.28
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	10	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	3	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	3	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	3	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	9	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	9	2.28
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	9	2.28
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	20	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	12	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	12	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	12	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	16	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	16	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	16	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG21	18	2.28
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG22	18	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,715)	1:93:A:ILE:HA	1:93:A:ILE:HG23	18	2.28
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	4	2.28
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	4	2.28
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	4	2.28
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	6	2.28
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	6	2.28
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	6	2.28
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	6	2.28
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	6	2.28
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	6	2.28
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	6	2.28
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	6	2.28
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	6	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	2	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	2	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	2	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	6	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	6	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	6	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	13	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	13	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	13	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	14	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	14	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	14	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	15	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	15	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	15	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	17	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	17	2.28
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	17	2.28
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	17	2.28
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	18	2.28
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	18	2.28
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	18	2.28
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	14	2.28
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	5	2.28
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	5	2.28
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	2	2.28
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	2	2.28
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	2	2.28
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	20	2.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	20	2.28
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	20	2.28
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	18	2.28
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	18	2.28
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	18	2.28
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	18	2.28
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	18	2.28
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	18	2.28
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	1	2.28
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	1	2.28
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	1	2.28
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	1	2.28
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	1	2.28
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	1	2.28
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	1	2.28
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	1	2.28
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	1	2.28
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	17	2.28
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	17	2.28
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	17	2.28
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	10	2.28
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	10	2.28
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	10	2.28
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	10	2.28
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	10	2.28
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	10	2.28
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	20	2.28
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	20	2.28
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	20	2.28
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	20	2.28
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	20	2.28
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	20	2.28
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	17	2.28
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	17	2.28
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	17	2.28
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	14	2.27
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	14	2.27
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	14	2.27
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	2	2.27
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	2	2.27
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	2	2.27
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	3	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	3	2.27
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	3	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	2	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	2	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	2	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	2	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	2	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	2	2.27
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	2	2.27
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	8	2.27
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	8	2.27
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	8	2.27
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	19	2.27
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	19	2.27
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	19	2.27
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	19	2.27
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	19	2.27
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	19	2.27
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	19	2.27
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	19	2.27
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	19	2.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	5	2.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	5	2.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	5	2.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	5	2.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	5	2.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	5	2.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	5	2.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	5	2.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	5	2.27
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	14	2.27
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	14	2.27
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	14	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	4	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	4	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	4	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	6	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	6	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG21	15	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG22	15	2.27
(1,2030)	1:105:A:VAL:H	1:105:A:VAL:HG23	15	2.27
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	6	2.27
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	6	2.27
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	6	2.27
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	15	2.27
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	15	2.27
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	15	2.27
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	19	2.27
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	19	2.27
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	19	2.27
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	20	2.27
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	20	2.27
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	20	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	7	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	7	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	7	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	12	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	12	2.27
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	12	2.27
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	1	2.27
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	1	2.27
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	1	2.27
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	1	2.27
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	1	2.27
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	1	2.27
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	20	2.27
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	20	2.27
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	20	2.27
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	3	2.27
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	3	2.27
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	3	2.27
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	3	2.27
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	3	2.27
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	3	2.27
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	3	2.27
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	3	2.27
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	3	2.27
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	17	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	17	2.27
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	17	2.27
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	17	2.27
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	17	2.27
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	17	2.27
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	17	2.27
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	17	2.27
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	17	2.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	8	2.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	8	2.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	8	2.27
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	12	2.27
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	12	2.27
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	11	2.27
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	1	2.27
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	1	2.27
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	1	2.27
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	11	2.27
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	11	2.27
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	11	2.27
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	4	2.27
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	4	2.27
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	4	2.27
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	2	2.27
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	4	2.27
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	4	2.27
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	9	2.27
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	9	2.27
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	3	2.27
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	3	2.27
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	3	2.27
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	3	2.27
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	3	2.27
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	3	2.27
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	3	2.27
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	15	2.27
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	15	2.27
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	15	2.27
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	15	2.27
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	6	2.27
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	6	2.27
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	6	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	19	2.27
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	19	2.27
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	19	2.27
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	3	2.27
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	3	2.27
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	3	2.27
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	3	2.27
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	3	2.27
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	3	2.27
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	3	2.27
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	3	2.27
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	3	2.27
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	10	2.27
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	10	2.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	5	2.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	5	2.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	5	2.27
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	5	2.27
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	5	2.27
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	5	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	3	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	3	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	3	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	12	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	12	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	12	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	18	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	18	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	18	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	19	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	19	2.27
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	19	2.27
(1,636)	1:21:A:ARG:H	1:21:A:ARG:HG2	16	2.27
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	7	2.27
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	7	2.27
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	7	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	7	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	7	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	7	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	7	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	7	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	7	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	11	2.27
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	11	2.27
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	11	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	11	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	11	2.27
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	11	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	11	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	11	2.27
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	11	2.27
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	10	2.27
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	15	2.27
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	15	2.27
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	15	2.27
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	15	2.27
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	15	2.27
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	15	2.27
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	19	2.27
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	19	2.27
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	19	2.27
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	19	2.27
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	19	2.27
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	19	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	7	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	7	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	7	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	7	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	7	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	7	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	7	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	7	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	7	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	20	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	20	2.27
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	20	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	20	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	20	2.27
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	20	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	20	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	20	2.27
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	20	2.27
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	4	2.27
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	4	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	4	2.27
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	4	2.27
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	4	2.27
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	4	2.27
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	4	2.27
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	4	2.27
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	4	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	2	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	2	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	2	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	16	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	16	2.27
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	16	2.27
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	14	2.27
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	14	2.27
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	8	2.26
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	8	2.26
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	8	2.26
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	8	2.26
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	8	2.26
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	8	2.26
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	8	2.26
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	11	2.26
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	11	2.26
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	11	2.26
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	11	2.26
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	11	2.26
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	11	2.26
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	2	2.26
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	2	2.26
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	2	2.26
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	2	2.26
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	2	2.26
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	2	2.26
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	2	2.26
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	2	2.26
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	2	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	14	2.26
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	14	2.26
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	14	2.26
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	14	2.26
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	14	2.26
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	14	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	13	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	13	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	13	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	14	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	14	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	14	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	17	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	17	2.26
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	17	2.26
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	7	2.26
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	7	2.26
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	7	2.26
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	7	2.26
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	7	2.26
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	7	2.26
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	7	2.26
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	7	2.26
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	7	2.26
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	14	2.26
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	14	2.26
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	14	2.26
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	18	2.26
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	18	2.26
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	18	2.26
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	20	2.26
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	20	2.26
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	20	2.26
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	20	2.26
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	20	2.26
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	20	2.26
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	20	2.26
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	20	2.26
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	20	2.26
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	10	2.26
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	10	2.26
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	10	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	1	2.26
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	1	2.26
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	1	2.26
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	11	2.26
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	11	2.26
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	11	2.26
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD11	11	2.26
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD12	11	2.26
(1,808)	1:186:A:ILE:HA	1:186:A:ILE:HD13	11	2.26
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	14	2.26
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	14	2.26
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	14	2.26
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	14	2.26
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	14	2.26
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	14	2.26
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	14	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	5	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	5	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	5	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	10	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	10	2.26
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	10	2.26
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	3	2.26
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	3	2.26
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	3	2.26
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	15	2.26
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	15	2.26
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	15	2.26
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	20	2.26
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	20	2.26
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	20	2.26
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	20	2.26
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	15	2.26
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	15	2.26
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	10	2.26
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	10	2.26
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	10	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	10	2.26
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	10	2.26
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	10	2.26
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	12	2.26
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	12	2.26
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	12	2.26
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	12	2.26
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	12	2.26
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	12	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	9	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	9	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	9	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	9	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	10	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	10	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	10	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	10	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	12	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	12	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	12	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	12	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	16	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	16	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	16	2.26
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	16	2.26
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	11	2.26
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	11	2.26
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	11	2.26
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	11	2.26
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	11	2.26
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	11	2.26
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	11	2.26
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	11	2.26
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	11	2.26
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	10	2.26
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	10	2.26
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	10	2.26
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	10	2.26
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	10	2.26
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	10	2.26
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	10	2.26
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	10	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	10	2.26
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	12	2.26
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	12	2.26
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	12	2.26
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	12	2.26
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	12	2.26
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	12	2.26
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	12	2.26
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	12	2.26
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	12	2.26
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	11	2.26
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	11	2.26
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	11	2.26
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	3	2.26
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	3	2.26
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	3	2.26
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	17	2.26
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	17	2.26
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	6	2.26
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	6	2.26
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	13	2.26
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	13	2.26
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	13	2.26
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	2	2.26
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	2	2.26
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	2	2.26
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	8	2.26
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	4	2.25
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	4	2.25
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	4	2.25
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	4	2.25
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	4	2.25
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	4	2.25
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	6	2.25
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	6	2.25
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	6	2.25
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	4	2.25
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	4	2.25
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	4	2.25
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	4	2.25
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	4	2.25
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	4	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	3	2.25
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	3	2.25
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	3	2.25
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	3	2.25
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	3	2.25
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	3	2.25
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	3	2.25
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	3	2.25
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	3	2.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	6	2.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	6	2.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	6	2.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	6	2.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	6	2.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	6	2.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	6	2.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	6	2.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	6	2.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	19	2.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	19	2.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	19	2.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	19	2.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	19	2.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	19	2.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	19	2.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	19	2.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	19	2.25
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	14	2.25
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	14	2.25
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	14	2.25
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	14	2.25
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	14	2.25
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	14	2.25
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	14	2.25
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	14	2.25
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	14	2.25
(1,1991)	1:128:A:VAL:HG21	1:129:A:TRP:HE1	6	2.25
(1,1991)	1:128:A:VAL:HG22	1:129:A:TRP:HE1	6	2.25
(1,1991)	1:128:A:VAL:HG23	1:129:A:TRP:HE1	6	2.25
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	10	2.25
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	10	2.25
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	10	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	15	2.25
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	15	2.25
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	15	2.25
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	9	2.25
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	9	2.25
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	9	2.25
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	9	2.25
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	9	2.25
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	9	2.25
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	9	2.25
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	9	2.25
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	9	2.25
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	20	2.25
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	20	2.25
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	12	2.25
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	12	2.25
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	12	2.25
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	12	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	7	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	7	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	7	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	7	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	7	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	7	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	14	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	14	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	14	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	14	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	14	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	14	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	19	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	19	2.25
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	19	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	19	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	19	2.25
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	19	2.25
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	3	2.25
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	3	2.25
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	3	2.25
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	7	2.25
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	11	2.25
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	7	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	7	2.25
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	7	2.25
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	7	2.25
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	7	2.25
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	7	2.25
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	17	2.25
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	17	2.25
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	17	2.25
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	3	2.25
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	3	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	3	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	3	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	3	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	3	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	3	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	3	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	3	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	3	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	3	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	5	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	5	2.25
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	5	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	5	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	5	2.25
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	5	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	5	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	5	2.25
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	5	2.25
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	4	2.25
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	4	2.25
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	4	2.25
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	16	2.25
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	16	2.25
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	20	2.25
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	20	2.25
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	20	2.25
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	20	2.25
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	20	2.25
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	20	2.25
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	20	2.25
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	20	2.25
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	20	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	3	2.25
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	3	2.25
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	3	2.25
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	3	2.25
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	3	2.25
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	3	2.25
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	3	2.25
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	3	2.25
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	3	2.25
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	12	2.25
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	12	2.25
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	12	2.25
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	17	2.25
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	17	2.25
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	17	2.25
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	14	2.25
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	14	2.25
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	14	2.25
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	14	2.25
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	14	2.25
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	14	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	18	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	18	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	18	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	18	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	19	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	19	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	19	2.25
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	19	2.25
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	13	2.25
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	13	2.25
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	13	2.25
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	4	2.25
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	4	2.25
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	4	2.25
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	4	2.25
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	4	2.25
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	4	2.25
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	4	2.25
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	4	2.25
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	4	2.25
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	2	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	2	2.25
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	2	2.25
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	2	2.25
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	2	2.25
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	2	2.25
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	2	2.25
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	2	2.25
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	2	2.25
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	2	2.25
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	2	2.25
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	2	2.25
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	3	2.25
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	3	2.25
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	3	2.25
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	3	2.25
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	3	2.25
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	3	2.25
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	3	2.25
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	3	2.25
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	3	2.25
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	1	2.25
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	1	2.25
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	1	2.25
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	1	2.25
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	1	2.25
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	1	2.25
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	13	2.25
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	13	2.25
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	13	2.25
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	13	2.25
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	13	2.25
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	13	2.25
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	5	2.25
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	5	2.25
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	11	2.25
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	11	2.25
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	11	2.25
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	3	2.25
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	3	2.25
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	3	2.25
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	8	2.25
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	8	2.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	8	2.25
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	8	2.25
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	8	2.25
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	8	2.25
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	17	2.25
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	17	2.25
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	8	2.24
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	8	2.24
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	8	2.24
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	8	2.24
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	8	2.24
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	8	2.24
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	8	2.24
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	8	2.24
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	8	2.24
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	8	2.24
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	8	2.24
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	8	2.24
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	8	2.24
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	8	2.24
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	8	2.24
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	8	2.24
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	8	2.24
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	8	2.24
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	18	2.24
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	18	2.24
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	18	2.24
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	18	2.24
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	18	2.24
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	18	2.24
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	18	2.24
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	18	2.24
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	18	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	3	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	3	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	3	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	3	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	3	2.24
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	3	2.24
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	3	2.24
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	3	2.24
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	3	2.24
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	3	2.24
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	3	2.24
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	3	2.24
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	11	2.24
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	11	2.24
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	11	2.24
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	11	2.24
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	11	2.24
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	11	2.24
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	20	2.24
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	20	2.24
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	20	2.24
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	13	2.24
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	13	2.24
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	16	2.24
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	16	2.24
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	16	2.24
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	8	2.24
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	3	2.24
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	3	2.24
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	10	2.24
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	10	2.24
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	19	2.24
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	19	2.24
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	19	2.24
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	18	2.24
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	11	2.24
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	11	2.24
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	11	2.24
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	11	2.24
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	11	2.24
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	11	2.24
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	10	2.24
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	10	2.24
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	10	2.24
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	10	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	13	2.24
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	13	2.24
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	13	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	13	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	13	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	13	2.24
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	2.24
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	2.24
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.24
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.24
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	9	2.24
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	17	2.24
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	3	2.24
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	3	2.24
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	3	2.24
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	14	2.24
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	14	2.24
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	20	2.24
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	20	2.24
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	20	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	2	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	2	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	2	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	2	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	2	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	2	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	2	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	2	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	2	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	10	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	10	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	10	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	10	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	10	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	10	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	10	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	10	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	10	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	20	2.24
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	20	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	20	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	20	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	20	2.24
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	20	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	20	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	20	2.24
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	20	2.24
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	16	2.24
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	16	2.24
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	17	2.24
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	17	2.24
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	17	2.24
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	17	2.24
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	12	2.24
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	12	2.24
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	12	2.24
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	12	2.24
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	12	2.24
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	12	2.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	11	2.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	11	2.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	11	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	2	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	2	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	2	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	2	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	2	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	2	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	7	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	7	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	7	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	7	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	7	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	7	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	9	2.24
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	9	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	9	2.24
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	9	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	9	2.24
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	9	2.24
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	3	2.24
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	3	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	3	2.24
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	3	2.24
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	6	2.24
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	6	2.24
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	6	2.24
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	6	2.24
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	6	2.24
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	6	2.24
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	6	2.24
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	6	2.24
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	6	2.24
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	3	2.24
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	3	2.24
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	3	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	4	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	4	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	4	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	9	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	9	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	9	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	10	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	10	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	10	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	14	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	14	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	14	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	16	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	16	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	16	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	19	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	19	2.24
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	19	2.24
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	15	2.24
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	15	2.24
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	6	2.24
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	6	2.24
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	6	2.24
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	6	2.24
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	6	2.23
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	6	2.23
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	6	2.23
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	6	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	6	2.23
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	6	2.23
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	6	2.23
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	6	2.23
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	6	2.23
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	6	2.23
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	6	2.23
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	6	2.23
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	6	2.23
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	2	2.23
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	2	2.23
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	2	2.23
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	2	2.23
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	2	2.23
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	2	2.23
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	2	2.23
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	2	2.23
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	2	2.23
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	1	2.23
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	1	2.23
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	1	2.23
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	1	2.23
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	1	2.23
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	1	2.23
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	1	2.23
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	1	2.23
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	1	2.23
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	3	2.23
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	3	2.23
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	3	2.23
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	16	2.23
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	16	2.23
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	16	2.23
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	6	2.23
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	6	2.23
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	6	2.23
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	14	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	14	2.23
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	14	2.23
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	14	2.23
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	14	2.23
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	14	2.23
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	15	2.23
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	15	2.23
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	15	2.23
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	15	2.23
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	15	2.23
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	15	2.23
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	9	2.23
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	9	2.23
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	9	2.23
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	9	2.23
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	6	2.23
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	6	2.23
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	6	2.23
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	9	2.23
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	15	2.23
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	15	2.23
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	14	2.23
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	14	2.23
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	14	2.23
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	14	2.23
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	2	2.23
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	14	2.23
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	5	2.23
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	5	2.23
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	5	2.23
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	5	2.23
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	5	2.23
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	5	2.23
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	12	2.23
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	12	2.23
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	9	2.23
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	9	2.23
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	9	2.23
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	9	2.23
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	9	2.23
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	9	2.23
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	9	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	9	2.23
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	9	2.23
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	15	2.23
(1,549)	1:101:A:PRO:HD2	1:104:A:THR:HB	19	2.23
(1,549)	1:101:A:PRO:HD3	1:104:A:THR:HB	19	2.23
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	3	2.23
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	3	2.23
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	4	2.23
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	4	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	17	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	17	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	17	2.23
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	17	2.23
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	17	2.23
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	17	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	17	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	17	2.23
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	17	2.23
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	14	2.23
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	14	2.23
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	14	2.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	8	2.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	8	2.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	8	2.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	8	2.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	8	2.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	8	2.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	8	2.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	8	2.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	8	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	3	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	3	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	3	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	3	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	3	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	3	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	4	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	4	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	4	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	4	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	4	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	4	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	20	2.23
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	20	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	20	2.23
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	20	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	20	2.23
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	20	2.23
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	4	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	7	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	7	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	7	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	7	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	8	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	8	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	8	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	8	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	14	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	14	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	14	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	14	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	17	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	17	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	17	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	17	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	20	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	20	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	20	2.23
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	20	2.23
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	5	2.23
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	5	2.23
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	5	2.23
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG21	8	2.23
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG22	8	2.23
(1,120)	1:155:A:THR:HA	1:155:A:THR:HG23	8	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	1	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	1	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	1	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	13	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	13	2.23
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	13	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	1	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	1	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	1	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	2	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	2	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	2	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	5	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	5	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	5	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	8	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	8	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	8	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	12	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	12	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	12	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	13	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	13	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	13	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	15	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	15	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	15	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	17	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	17	2.23
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	17	2.23
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	7	2.23
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	7	2.23
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	19	2.23
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	19	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	1	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	1	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	1	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	17	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	17	2.23
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	17	2.23
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	4	2.22
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	4	2.22
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	4	2.22
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	11	2.22
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	11	2.22
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	11	2.22
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	6	2.22
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	6	2.22
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	6	2.22
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	4	2.22
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	4	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	4	2.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	4	2.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	4	2.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	4	2.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	4	2.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	4	2.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	4	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	8	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	8	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	8	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	8	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	8	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	8	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	8	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	8	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	8	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	13	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	13	2.22
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	13	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	13	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	13	2.22
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	13	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	13	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	13	2.22
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	13	2.22
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	4	2.22
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	4	2.22
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	4	2.22
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	11	2.22
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	11	2.22
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	11	2.22
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	4	2.22
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	4	2.22
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	4	2.22
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	14	2.22
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	14	2.22
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	14	2.22
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	14	2.22
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	14	2.22
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	14	2.22
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	14	2.22
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	14	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	14	2.22
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	1	2.22
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	1	2.22
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	1	2.22
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	8	2.22
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	8	2.22
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	8	2.22
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	17	2.22
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	17	2.22
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	17	2.22
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	17	2.22
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	17	2.22
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	17	2.22
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	20	2.22
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	20	2.22
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	20	2.22
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	9	2.22
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	9	2.22
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	11	2.22
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	11	2.22
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	11	2.22
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	5	2.22
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	5	2.22
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	5	2.22
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	1	2.22
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	19	2.22
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	19	2.22
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	15	2.22
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	2	2.22
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	2	2.22
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	2	2.22
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	2	2.22
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	2	2.22
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	2	2.22
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	3	2.22
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	3	2.22
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	3	2.22
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	3	2.22
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	3	2.22
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	3	2.22
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	12	2.22
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	12	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	3	2.22
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	3	2.22
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	3	2.22
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	3	2.22
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	3	2.22
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	3	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	17	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	17	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	17	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	17	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	17	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	17	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	17	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	17	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	17	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	18	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	18	2.22
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	18	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	18	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	18	2.22
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	18	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	18	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	18	2.22
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	18	2.22
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	17	2.22
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	17	2.22
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	17	2.22
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	11	2.22
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	11	2.22
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	11	2.22
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	11	2.22
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	11	2.22
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	7	2.22
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	7	2.22
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	18	2.22
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	18	2.22
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	18	2.22
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	18	2.22
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	18	2.22
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	18	2.22
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	18	2.22
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	18	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	18	2.22
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	6	2.22
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	6	2.22
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	6	2.22
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	6	2.22
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	6	2.22
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	6	2.22
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	14	2.22
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	14	2.22
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	14	2.22
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	14	2.22
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	14	2.22
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	14	2.22
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	6	2.22
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	6	2.22
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	6	2.22
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	6	2.22
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	6	2.22
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	6	2.22
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	17	2.22
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	17	2.22
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	17	2.22
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	17	2.22
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	17	2.22
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	17	2.22
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	12	2.22
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	12	2.22
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	12	2.22
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	14	2.22
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	14	2.22
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	14	2.22
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	3	2.22
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	3	2.22
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	5	2.22
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	5	2.22
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	1	2.22
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	1	2.22
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	10	2.22
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	10	2.22
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	10	2.22
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	6	2.22
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	6	2.22
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	6	2.22
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	6	2.22
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	6	2.22
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	6	2.22
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	6	2.22
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	6	2.22
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	5	2.22
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	5	2.22
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	5	2.22
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	5	2.22
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	5	2.22
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	5	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	3	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	3	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	3	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	5	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	5	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	5	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	6	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	6	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	6	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	7	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	7	2.22
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	7	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	7	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	7	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	7	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	20	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	20	2.22
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	20	2.22
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	9	2.22
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	3	2.22
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	3	2.22
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	12	2.22
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	12	2.22
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	8	2.22
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	8	2.21
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	8	2.21
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	8	2.21
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	8	2.21
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	8	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	8	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	3	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	3	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	15	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	15	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	15	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	15	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	15	2.21
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	15	2.21
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	15	2.21
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	13	2.21
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	13	2.21
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	13	2.21
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	9	2.21
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	9	2.21
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	9	2.21
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	9	2.21
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	9	2.21
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	9	2.21
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	5	2.21
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	5	2.21
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	5	2.21
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	5	2.21
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	5	2.21
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	5	2.21
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	5	2.21
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	5	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	5	2.21
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	18	2.21
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	18	2.21
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	18	2.21
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	18	2.21
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	18	2.21
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	18	2.21
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	18	2.21
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	18	2.21
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	18	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	1	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	1	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	1	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	1	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	1	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	1	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	1	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	1	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	1	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	9	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	9	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	9	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	9	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	9	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	9	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	9	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	9	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	9	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	12	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	12	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	12	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	12	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	12	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	12	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	12	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	12	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	12	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	14	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	14	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	14	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	14	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	14	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	14	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	14	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	14	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	14	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	18	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	18	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	18	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	18	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	18	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	18	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	18	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	18	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	18	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	20	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	20	2.21
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	20	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	20	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	20	2.21
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	20	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	20	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	20	2.21
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	20	2.21
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	18	2.21
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	18	2.21
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	18	2.21
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	16	2.21
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	16	2.21
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	16	2.21
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	16	2.21
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	16	2.21
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	16	2.21
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	2	2.21
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	2	2.21
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	2	2.21
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	14	2.21
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	14	2.21
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	14	2.21
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	8	2.21
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	8	2.21
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	8	2.21
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	8	2.21
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	8	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	8	2.21
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	8	2.21
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	8	2.21
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	8	2.21
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	8	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	4	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	4	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	16	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	16	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	16	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	16	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	16	2.21
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	16	2.21
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	16	2.21
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	6	2.21
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	6	2.21
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	6	2.21
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	6	2.21
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	6	2.21
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	6	2.21
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	6	2.21
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	7	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	7	2.21
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	7	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	7	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	7	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	7	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	7	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	7	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	7	2.21
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	13	2.21
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	13	2.21
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	13	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	13	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	13	2.21
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	13	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	13	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	13	2.21
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	13	2.21
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	13	2.21
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	13	2.21
(1,616)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	13	2.21
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	13	2.21
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	13	2.21
(1,616)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	13	2.21
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	13	2.21
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	13	2.21
(1,616)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	13	2.21
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	12	2.21
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	12	2.21
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	12	2.21
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	12	2.21
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	19	2.21
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	19	2.21
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	19	2.21
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	19	2.21
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	5	2.21
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	5	2.21
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	5	2.21
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	5	2.21
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	5	2.21
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	5	2.21
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	11	2.21
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	11	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	11	2.21
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	11	2.21
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	11	2.21
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	11	2.21
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	2	2.21
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	2	2.21
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	6	2.21
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	6	2.21
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	18	2.21
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	18	2.21
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	13	2.21
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	13	2.21
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	13	2.21
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	10	2.21
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	10	2.21
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	10	2.21
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	10	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	6	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	6	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	6	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG21	18	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG22	18	2.21
(1,96)	1:186:A:ILE:HA	1:186:A:ILE:HG23	18	2.21
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	11	2.21
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	11	2.21
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	18	2.21
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	18	2.21
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	18	2.21
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	4	2.21
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	4	2.21
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	13	2.2
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	13	2.2
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	13	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	18	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	18	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	18	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	18	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	18	2.2
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	18	2.2
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	18	2.2
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	18	2.2
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	18	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	18	2.2
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	18	2.2
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	18	2.2
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	3	2.2
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	3	2.2
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	3	2.2
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	3	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	3	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	3	2.2
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	14	2.2
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	14	2.2
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	14	2.2
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	14	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	14	2.2
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	14	2.2
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	1	2.2
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	1	2.2
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	1	2.2
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	1	2.2
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	1	2.2
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	1	2.2
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	5	2.2
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	5	2.2
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	5	2.2
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	5	2.2
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	5	2.2
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	5	2.2
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	5	2.2
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	5	2.2
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	5	2.2
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	5	2.2
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	5	2.2
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	5	2.2
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	5	2.2
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	5	2.2
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	5	2.2
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	5	2.2
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	5	2.2
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	5	2.2
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	13	2.2
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	13	2.2
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	13	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	8	2.2
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	8	2.2
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	8	2.2
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	12	2.2
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	12	2.2
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	12	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	3	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	3	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	3	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	8	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	8	2.2
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	8	2.2
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	12	2.2
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	12	2.2
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	12	2.2
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	15	2.2
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	15	2.2
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	15	2.2
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	16	2.2
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	16	2.2
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	16	2.2
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	16	2.2
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	16	2.2
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	16	2.2
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	16	2.2
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	16	2.2
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	16	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	5	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	5	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	5	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	5	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	5	2.2
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	5	2.2
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	5	2.2
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	5	2.2
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	5	2.2
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	5	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	5	2.2
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	5	2.2
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	5	2.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	13	2.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	13	2.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	13	2.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	13	2.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	13	2.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	13	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	1	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	1	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	1	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	5	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	5	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	5	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	14	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	14	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	14	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	17	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	17	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	17	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	19	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	19	2.2
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	19	2.2
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	14	2.2
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	16	2.2
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	19	2.2
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	19	2.2
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	19	2.2
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	15	2.2
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	3	2.2
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	3	2.2
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	3	2.2
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	3	2.2
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	3	2.2
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	3	2.2
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	13	2.2
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	13	2.2
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	13	2.2
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	13	2.2
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	12	2.2
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	12	2.2
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	12	2.2
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	12	2.2
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	12	2.2
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	2	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	2	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	10	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	10	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	13	2.2
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	13	2.2
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	13	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	12	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	12	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	12	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	12	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	12	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	12	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	12	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	12	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	12	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	17	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	17	2.2
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	17	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	17	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	17	2.2
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	17	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	17	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	17	2.2
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	17	2.2
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	8	2.2
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	8	2.2
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	8	2.2
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	8	2.2
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	8	2.2
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	8	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	14	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	14	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	14	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	15	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	15	2.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	15	2.2
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	6	2.2
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	6	2.2
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	6	2.2
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	11	2.2
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	11	2.2
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	11	2.2
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	11	2.2
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	11	2.2
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	11	2.2
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	11	2.2
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	11	2.2
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	11	2.2
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	15	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	15	2.2
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	15	2.2
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	15	2.2
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	15	2.2
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	15	2.2
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	15	2.2
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	15	2.2
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	15	2.2
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	4	2.2
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	4	2.2
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	4	2.2
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	15	2.2
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	15	2.2
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	15	2.2
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	15	2.2
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	15	2.2
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	15	2.2
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	8	2.2
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	8	2.2
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	8	2.2
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	13	2.2
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	13	2.2
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	13	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	4	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	4	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	4	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	8	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	8	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	8	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	17	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	17	2.2
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	17	2.2
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	8	2.2
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	8	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	2	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	2	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	5	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	5	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	10	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	10	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	14	2.2
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	14	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	13	2.2
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	19	2.19
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	19	2.19
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	19	2.19
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	9	2.19
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	9	2.19
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	9	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	1	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	1	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	13	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	13	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	19	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	19	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	19	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	19	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	19	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	19	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	19	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	19	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	19	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	19	2.19
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	19	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	19	2.19
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	7	2.19
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	7	2.19
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	7	2.19
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	15	2.19
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	15	2.19
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	15	2.19
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	15	2.19
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	15	2.19
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	15	2.19
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	4	2.19
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	4	2.19
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	4	2.19
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	4	2.19
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	4	2.19
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	4	2.19
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	4	2.19
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	4	2.19
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	4	2.19
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	19	2.19
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	19	2.19
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	19	2.19
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	2	2.19
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	2	2.19
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	2	2.19
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	7	2.19
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	7	2.19
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	7	2.19
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	9	2.19
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	9	2.19
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	9	2.19
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	16	2.19
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	16	2.19
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	16	2.19
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	20	2.19
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	20	2.19
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	20	2.19
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	11	2.19
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	11	2.19
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	11	2.19
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	11	2.19
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	11	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	11	2.19
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	4	2.19
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	4	2.19
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	4	2.19
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	4	2.19
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	4	2.19
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	4	2.19
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	4	2.19
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	4	2.19
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	4	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	8	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	8	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	8	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	16	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	16	2.19
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	16	2.19
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	6	2.19
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	15	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	4	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	4	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	4	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	6	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	6	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	6	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	13	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	13	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	13	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	15	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	15	2.19
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	15	2.19
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	15	2.19
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	15	2.19
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	1	2.19
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	13	2.19
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	13	2.19
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	13	2.19
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	20	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	6	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	6	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	6	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	6	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	6	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	6	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	6	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	9	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	9	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	11	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	11	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	18	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	18	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	18	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	18	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	18	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	18	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	18	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	18	2.19
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	18	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	18	2.19
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	18	2.19
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	4	2.19
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	4	2.19
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	4	2.19
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	4	2.19
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	4	2.19
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	4	2.19
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	8	2.19
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	8	2.19
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	8	2.19
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	8	2.19
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	8	2.19
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	8	2.19
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	13	2.19
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	13	2.19
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	13	2.19
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	13	2.19
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	13	2.19
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	13	2.19
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	8	2.19
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	8	2.19
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	8	2.19
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	16	2.19
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	16	2.19
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	16	2.19
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	19	2.19
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	19	2.19
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	19	2.19
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	9	2.19
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	9	2.19
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	8	2.19
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	8	2.19
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	8	2.19
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	8	2.19
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	8	2.19
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	8	2.19
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	8	2.19
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	8	2.19
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	8	2.19
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	8	2.19
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	8	2.19
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	8	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	4	2.19
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	4	2.19
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	4	2.19
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	4	2.19
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	4	2.19
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	4	2.19
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	13	2.19
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	13	2.19
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	13	2.19
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	13	2.19
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	13	2.19
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	13	2.19
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	13	2.19
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	13	2.19
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	13	2.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	8	2.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	8	2.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	8	2.19
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	17	2.19
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	17	2.19
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	17	2.19
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	17	2.19
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	17	2.19
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	17	2.19
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	17	2.19
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	17	2.19
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	17	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	9	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	9	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	9	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	12	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	12	2.19
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	12	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	8	2.19
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	8	2.19
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	8	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	8	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	17	2.19
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	17	2.19
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	17	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	17	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	18	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	18	2.19
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	18	2.19
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	18	2.19
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	9	2.19
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	9	2.19
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	13	2.19
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	13	2.19
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	9	2.19
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	16	2.18
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	16	2.18
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	16	2.18
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	16	2.18
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	16	2.18
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	16	2.18
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	16	2.18
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	4	2.18
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	4	2.18
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	4	2.18
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	8	2.18
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	8	2.18
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	8	2.18
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	8	2.18
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	8	2.18
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	8	2.18
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	8	2.18
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	8	2.18
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	8	2.18
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	11	2.18
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	11	2.18
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	11	2.18
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	11	2.18
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	11	2.18
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	11	2.18
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	15	2.18
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	15	2.18
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	15	2.18
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	15	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	15	2.18
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	15	2.18
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	15	2.18
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	15	2.18
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	15	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	6	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	6	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	6	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	6	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	6	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	6	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	6	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	6	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	6	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	10	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	10	2.18
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	10	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	10	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	10	2.18
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	10	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	10	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	10	2.18
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	10	2.18
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	16	2.18
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	16	2.18
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	16	2.18
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	16	2.18
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	16	2.18
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	16	2.18
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	16	2.18
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	16	2.18
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	16	2.18
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	18	2.18
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	18	2.18
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	18	2.18
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	18	2.18
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	18	2.18
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	18	2.18
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	18	2.18
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	18	2.18
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	18	2.18
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	7	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	7	2.18
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	7	2.18
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	11	2.18
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	11	2.18
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	11	2.18
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	11	2.18
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	11	2.18
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	11	2.18
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	11	2.18
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	11	2.18
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	11	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	10	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	10	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	10	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	13	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	13	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	13	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	18	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	18	2.18
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	18	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	11	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	11	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	11	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	12	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	12	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	12	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	20	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	20	2.18
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	20	2.18
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	19	2.18
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	18	2.18
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	20	2.18
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	11	2.18
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	11	2.18
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	11	2.18
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	12	2.18
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	12	2.18
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	9	2.18
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	9	2.18
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	9	2.18
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	9	2.18
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	9	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	9	2.18
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	17	2.18
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	17	2.18
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	17	2.18
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	17	2.18
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	17	2.18
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	17	2.18
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	4	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	7	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	7	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	20	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	20	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	20	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	20	2.18
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	20	2.18
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	20	2.18
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	16	2.18
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	16	2.18
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	16	2.18
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	16	2.18
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	16	2.18
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	16	2.18
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	1	2.18
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	1	2.18
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	1	2.18
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	1	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	1	2.18
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	1	2.18
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	1	2.18
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	1	2.18
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	1	2.18
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	1	2.18
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	1	2.18
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	1	2.18
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	10	2.18
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	10	2.18
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	1	2.18
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	1	2.18
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	16	2.18
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	16	2.18
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	16	2.18
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	16	2.18
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	16	2.18
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	16	2.18
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	5	2.18
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	5	2.18
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	13	2.18
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	13	2.18
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	16	2.18
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	16	2.18
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	16	2.18
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	2	2.18
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	2	2.18
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	2	2.18
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	2	2.18
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	2	2.18
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	2	2.18
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	10	2.18
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	10	2.18
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	10	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	3	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	3	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	3	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	3	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	3	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	3	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	3	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	3	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	3	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	14	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	14	2.18
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	14	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	14	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	14	2.18
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	14	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	14	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	14	2.18
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	14	2.18
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	6	2.18
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	6	2.18
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	6	2.18
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	13	2.18
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	13	2.18
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	2	2.18
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	2	2.18
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	16	2.18
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	16	2.18
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	16	2.18
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	16	2.18
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	16	2.18
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	16	2.18
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	8	2.18
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	8	2.18
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	16	2.18
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	16	2.18
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	3	2.18
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	3	2.18
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	3	2.18
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	3	2.18
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	2	2.18
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	10	2.18
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	11	2.18
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	2	2.17
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	2	2.17
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	2	2.17
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	2	2.17
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	2	2.17
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	2	2.17
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	10	2.17
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	10	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	10	2.17
(1,2197)	1:211:A:VAL:HG11	1:212:A:MET:H	17	2.17
(1,2197)	1:211:A:VAL:HG12	1:212:A:MET:H	17	2.17
(1,2197)	1:211:A:VAL:HG13	1:212:A:MET:H	17	2.17
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	11	2.17
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	11	2.17
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	11	2.17
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	11	2.17
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	11	2.17
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	11	2.17
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	7	2.17
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	7	2.17
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	7	2.17
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	7	2.17
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	7	2.17
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	7	2.17
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	2	2.17
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	2	2.17
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	2	2.17
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	2	2.17
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	2	2.17
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	2	2.17
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	2	2.17
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	2	2.17
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	2	2.17
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	20	2.17
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	20	2.17
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	20	2.17
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	20	2.17
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	20	2.17
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	20	2.17
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	20	2.17
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	20	2.17
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	20	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	7	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	7	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	7	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	7	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	7	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	7	2.17
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	7	2.17
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	7	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	7	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	15	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	15	2.17
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	15	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	15	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	15	2.17
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	15	2.17
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	15	2.17
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	15	2.17
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	15	2.17
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	10	2.17
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	10	2.17
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	10	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	10	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	10	2.17
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	10	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	10	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	10	2.17
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	10	2.17
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	4	2.17
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	4	2.17
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	4	2.17
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	1	2.17
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	1	2.17
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	1	2.17
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	3	2.17
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	3	2.17
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	3	2.17
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	4	2.17
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	4	2.17
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	4	2.17
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	11	2.17
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	11	2.17
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	11	2.17
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	19	2.17
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	19	2.17
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	19	2.17
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	3	2.17
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	3	2.17
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	3	2.17
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	7	2.17
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	7	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	7	2.17
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	7	2.17
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	7	2.17
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	7	2.17
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	17	2.17
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	17	2.17
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	17	2.17
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	17	2.17
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	17	2.17
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	17	2.17
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	11	2.17
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	11	2.17
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	11	2.17
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	11	2.17
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	11	2.17
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	11	2.17
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	16	2.17
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	16	2.17
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	15	2.17
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	15	2.17
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	15	2.17
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	15	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	2	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	5	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	7	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	12	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	17	2.17
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	19	2.17
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	7	2.17
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	7	2.17
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	18	2.17
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	18	2.17
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	18	2.17
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	18	2.17
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	18	2.17
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	18	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	4	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	4	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	4	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	11	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	11	2.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	11	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	5	2.17
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	5	2.17
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	5	2.17
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	19	2.17
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	19	2.17
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	19	2.17
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	10	2.17
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	10	2.17
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	10	2.17
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	10	2.17
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	10	2.17
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	10	2.17
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	20	2.17
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	20	2.17
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	20	2.17
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	1	2.17
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	1	2.17
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	13	2.17
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	13	2.17
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	13	2.17
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	13	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	8	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	8	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	13	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	13	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	17	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	17	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	20	2.17
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	20	2.17
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	9	2.17
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	9	2.17
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	8	2.17
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	8	2.17
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	8	2.17
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	8	2.17
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	1	2.17
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	1	2.17
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	1	2.17
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	1	2.17
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	1	2.17
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	1	2.17
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	8	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	8	2.17
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	8	2.17
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	5	2.17
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	5	2.17
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	5	2.17
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	5	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	2	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	2	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	2	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	10	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	10	2.17
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	10	2.17
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	4	2.17
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	4	2.17
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	4	2.17
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	6	2.17
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	6	2.17
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	6	2.17
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	4	2.17
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	4	2.17
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	4	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	7	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	7	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	7	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	7	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	7	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	7	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	7	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	7	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	7	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	12	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	12	2.17
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	12	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	12	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	12	2.17
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	12	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	12	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	12	2.17
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	12	2.17
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	17	2.17
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	17	2.17
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	17	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	14	2.17
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	14	2.17
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	14	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	4	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	4	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	4	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	17	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	17	2.17
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	17	2.17
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	19	2.17
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	19	2.17
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	1	2.17
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	1	2.17
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	20	2.17
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	20	2.17
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	7	2.17
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	8	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	8	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	8	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	8	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	8	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	8	2.16
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	2	2.16
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	2	2.16
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	2	2.16
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	16	2.16
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	16	2.16
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	16	2.16
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	13	2.16
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	13	2.16
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	13	2.16
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	13	2.16
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	13	2.16
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	13	2.16
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	13	2.16
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	13	2.16
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	13	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	3	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	3	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	3	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	3	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	3	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	3	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	3	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	3	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	3	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	11	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	11	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	11	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	11	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	11	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	11	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	11	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	11	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	11	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	16	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	16	2.16
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	16	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	16	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	16	2.16
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	16	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	16	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	16	2.16
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	16	2.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	9	2.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	9	2.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	9	2.16
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	19	2.16
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	19	2.16
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	19	2.16
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	19	2.16
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	19	2.16
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	19	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	9	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	9	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	9	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	10	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	10	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	10	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	10	2.16
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	10	2.16
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	20	2.16
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	20	2.16
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	20	2.16
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	18	2.16
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	18	2.16
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	18	2.16
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	18	2.16
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	18	2.16
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	18	2.16
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	10	2.16
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	10	2.16
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	10	2.16
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	17	2.16
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	17	2.16
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	17	2.16
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	17	2.16
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	17	2.16
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	17	2.16
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	17	2.16
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	17	2.16
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	17	2.16
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	13	2.16
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	13	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	13	2.16
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	13	2.16
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	13	2.16
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	13	2.16
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	13	2.16
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	13	2.16
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	13	2.16
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	9	2.16
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	9	2.16
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	9	2.16
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	9	2.16
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	9	2.16
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	9	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	1	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	1	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	1	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	17	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	17	2.16
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	17	2.16
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	3	2.16
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	14	2.16
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	14	2.16
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	14	2.16
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	9	2.16
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	9	2.16
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	16	2.16
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	16	2.16
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	6	2.16
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	6	2.16
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	20	2.16
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	20	2.16
(1,984)	1:85:A:THR:H	1:86:A:SER:H	13	2.16
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	3	2.16
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	3	2.16
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	3	2.16
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	3	2.16
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	3	2.16
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	3	2.16
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	3	2.16
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	3	2.16
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	3	2.16
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	13	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	13	2.16
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	13	2.16
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	1	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	1	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	3	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	3	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	14	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	14	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	15	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	15	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	15	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	15	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	15	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	15	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	15	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	17	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	17	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	17	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	17	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	17	2.16
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	17	2.16
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	17	2.16
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	6	2.16
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	6	2.16
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	6	2.16
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	6	2.16
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	6	2.16
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	6	2.16
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	5	2.16
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	5	2.16
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	5	2.16
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	5	2.16
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	5	2.16
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	5	2.16
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	8	2.16
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	8	2.16
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	6	2.16
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	6	2.16
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	14	2.16
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	14	2.16
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	14	2.16
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	6	2.16
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	6	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	16	2.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	16	2.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	16	2.16
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	15	2.16
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	15	2.16
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	15	2.16
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	15	2.16
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	13	2.16
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	13	2.16
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	4	2.16
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	4	2.16
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	4	2.16
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	4	2.16
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	4	2.16
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	4	2.16
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	4	2.16
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	4	2.16
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	4	2.16
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	13	2.16
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	13	2.16
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	13	2.16
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	16	2.16
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	16	2.16
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	16	2.16
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	10	2.16
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	10	2.16
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	10	2.16
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	5	2.16
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	5	2.16
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	5	2.16
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	5	2.16
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	8	2.16
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	8	2.16
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	8	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	1	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	1	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	1	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	4	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	4	2.16
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	4	2.16
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	13	2.16
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	13	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	13	2.16
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	10	2.16
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	10	2.16
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	10	2.16
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	10	2.16
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	10	2.16
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	10	2.16
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	10	2.16
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	10	2.16
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	10	2.16
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	9	2.16
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	9	2.16
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	9	2.16
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	2	2.16
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	2	2.16
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	2	2.16
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	2	2.16
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	2	2.16
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	2	2.16
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	8	2.16
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	8	2.16
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	8	2.16
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	19	2.16
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	19	2.16
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	19	2.16
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	19	2.16
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	19	2.16
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	19	2.16
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	19	2.16
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	19	2.16
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	19	2.16
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	5	2.16
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	5	2.16
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	5	2.16
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	5	2.16
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	5	2.16
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	5	2.16
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	5	2.16
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	5	2.16
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	5	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	3	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	3	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	3	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	9	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	9	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	9	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	12	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	12	2.16
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	12	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	1	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	1	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	1	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	2	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	2	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	2	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	10	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	10	2.16
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	10	2.16
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	14	2.16
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	14	2.16
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	14	2.16
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	2	2.16
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	2	2.16
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	2	2.16
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	1	2.16
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	1	2.16
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	1	2.16
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	1	2.16
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	4	2.16
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	4	2.16
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	17	2.16
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	17	2.16
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	4	2.16
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	4	2.16
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	4	2.16
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	4	2.16
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	9	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	9	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	9	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	9	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	9	2.15
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	9	2.15
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	1	2.15
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	1	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	1	2.15
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	12	2.15
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	12	2.15
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	12	2.15
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	9	2.15
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	9	2.15
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	9	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	11	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	11	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	11	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	11	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	11	2.15
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	11	2.15
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	11	2.15
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	3	2.15
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	3	2.15
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	3	2.15
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	3	2.15
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	3	2.15
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	3	2.15
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	3	2.15
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	3	2.15
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	3	2.15
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	2	2.15
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	2	2.15
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	2	2.15
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	2	2.15
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	2	2.15
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	2	2.15
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	2	2.15
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	2	2.15
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	2	2.15
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	8	2.15
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	8	2.15
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	8	2.15
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	8	2.15
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	8	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	8	2.15
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	8	2.15
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	8	2.15
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	8	2.15
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	1	2.15
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	1	2.15
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	1	2.15
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	2	2.15
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	2	2.15
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	2	2.15
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	2	2.15
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	2	2.15
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	2	2.15
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	5	2.15
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	5	2.15
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	5	2.15
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	18	2.15
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	18	2.15
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	18	2.15
(1,1893)	1:69:A:VAL:HG21	1:198:A:HIS:HD2	14	2.15
(1,1893)	1:69:A:VAL:HG22	1:198:A:HIS:HD2	14	2.15
(1,1893)	1:69:A:VAL:HG23	1:198:A:HIS:HD2	14	2.15
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	19	2.15
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	19	2.15
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	19	2.15
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	19	2.15
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	19	2.15
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	19	2.15
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	19	2.15
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	19	2.15
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	19	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	5	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	5	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	5	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	6	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	6	2.15
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	6	2.15
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	10	2.15
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	10	2.15
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	6	2.15
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	6	2.15
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	6	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	4	2.15
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	4	2.15
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	4	2.15
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	11	2.15
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	11	2.15
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	11	2.15
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	2	2.15
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	5	2.15
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	6	2.15
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	2	2.15
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	2	2.15
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	10	2.15
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	10	2.15
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	10	2.15
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	4	2.15
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	4	2.15
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	7	2.15
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	7	2.15
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	9	2.15
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	9	2.15
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	6	2.15
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	6	2.15
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	6	2.15
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	5	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	5	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	8	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	8	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	8	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	19	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	19	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	19	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	19	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	19	2.15
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	19	2.15
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	19	2.15
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	11	2.15
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	11	2.15
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	11	2.15
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	11	2.15
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	11	2.15
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	11	2.15
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	20	2.15
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	20	2.15
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	20	2.15
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	20	2.15
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	20	2.15
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	20	2.15
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	3	2.15
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	3	2.15
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	5	2.15
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	5	2.15
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	20	2.15
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	12	2.15
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	12	2.15
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	12	2.15
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	12	2.15
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	12	2.15
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	12	2.15
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	2	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	2	2.15
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	10	2.15
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	10	2.15
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	17	2.15
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	17	2.15
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	11	2.15
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	11	2.15
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	12	2.15
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	12	2.15
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	10	2.15
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	10	2.15
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	10	2.15
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	18	2.15
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	18	2.15
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	18	2.15
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	18	2.15
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	1	2.15
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	1	2.15
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	1	2.15
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	1	2.15
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	6	2.15
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	6	2.15
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	6	2.15
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	15	2.15
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	15	2.15
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	15	2.15
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	13	2.15
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	13	2.15
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	13	2.15
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	17	2.15
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	17	2.15
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	17	2.15
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	11	2.15
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	11	2.15
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	11	2.15
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	11	2.15
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	11	2.15
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	11	2.15
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	11	2.15
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	11	2.15
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	11	2.15
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	15	2.15
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	15	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	4	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	4	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	4	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	7	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	7	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	7	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	8	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	8	2.15
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	8	2.15
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	3	2.15
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	3	2.15
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	3	2.15
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	3	2.15
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	3	2.15
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	5	2.15
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	5	2.15
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	14	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	2	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	4	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	6	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	8	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	19	2.15
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	20	2.15
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	19	2.14
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	19	2.14
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	19	2.14
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	19	2.14
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	19	2.14
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	19	2.14
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	19	2.14
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	19	2.14
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	19	2.14
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	8	2.14
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	8	2.14
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	8	2.14
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	8	2.14
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	8	2.14
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	8	2.14
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	7	2.14
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	7	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	7	2.14
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	7	2.14
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	7	2.14
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	7	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	19	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	19	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	20	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	20	2.14
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	20	2.14
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	14	2.14
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	14	2.14
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	14	2.14
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	14	2.14
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	14	2.14
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	14	2.14
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	14	2.14
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	14	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	14	2.14
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	2	2.14
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	2	2.14
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	2	2.14
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	12	2.14
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	12	2.14
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	12	2.14
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	12	2.14
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	12	2.14
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	12	2.14
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	12	2.14
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	12	2.14
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	12	2.14
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	20	2.14
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	20	2.14
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	20	2.14
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	20	2.14
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	20	2.14
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	20	2.14
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	20	2.14
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	20	2.14
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	20	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	7	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	7	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	7	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	11	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	11	2.14
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	11	2.14
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	9	2.14
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	9	2.14
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	9	2.14
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	12	2.14
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	12	2.14
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	5	2.14
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	7	2.14
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	20	2.14
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	4	2.14
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	3	2.14
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	3	2.14
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	16	2.14
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	16	2.14
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	3	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	3	2.14
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	14	2.14
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	14	2.14
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	2	2.14
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	2	2.14
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	2	2.14
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	7	2.14
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	15	2.14
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	9	2.14
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	9	2.14
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	9	2.14
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	9	2.14
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	16	2.14
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	16	2.14
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	16	2.14
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	16	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	15	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	15	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	15	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	18	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	18	2.14
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	18	2.14
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	7	2.14
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	7	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	12	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	12	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	12	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG21	12	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG22	12	2.14
(1,802)	1:68:A:GLY:HA2	1:155:A:THR:HG23	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG21	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG22	12	2.14
(1,802)	1:68:A:GLY:HA3	1:155:A:THR:HG23	12	2.14
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	15	2.14
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	15	2.14
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	15	2.14
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	15	2.14
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	15	2.14
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	15	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	7	2.14
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	7	2.14
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	7	2.14
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	19	2.14
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	19	2.14
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	19	2.14
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	2	2.14
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	2	2.14
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	6	2.14
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	6	2.14
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	18	2.14
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	18	2.14
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	15	2.14
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	15	2.14
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	15	2.14
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	15	2.14
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	15	2.14
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	15	2.14
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	5	2.14
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	5	2.14
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	7	2.14
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	7	2.14
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	19	2.14
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	19	2.14
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	20	2.14
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	20	2.14
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	14	2.14
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	14	2.14
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	14	2.14
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	14	2.14
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	14	2.14
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	14	2.14
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	14	2.14
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	14	2.14
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	14	2.14
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	10	2.14
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	10	2.14
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	10	2.14
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	10	2.14
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	10	2.14
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	10	2.14
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	6	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	6	2.14
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	6	2.14
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	6	2.14
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	7	2.14
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	7	2.14
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	7	2.14
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	5	2.14
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	5	2.14
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	5	2.14
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	9	2.14
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	9	2.14
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	9	2.14
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	19	2.14
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	19	2.14
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	16	2.14
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	16	2.14
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	16	2.14
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	16	2.14
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	16	2.14
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	16	2.14
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	19	2.14
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	19	2.14
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	19	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	5	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	5	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	5	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	5	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	5	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	5	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	5	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	5	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	5	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	7	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	7	2.14
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	7	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	7	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	7	2.14
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	7	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	7	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	7	2.14
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	7	2.14
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	18	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	18	2.14
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	18	2.14
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	19	2.14
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	19	2.14
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	19	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	5	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	5	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	5	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	18	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	18	2.14
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	18	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	2	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	2	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	2	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	6	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	6	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	6	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	13	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	13	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	13	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	17	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	17	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	17	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	18	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	18	2.14
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	18	2.14
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD1	18	2.14
(1,60)	1:213:A:TYR:HA	1:213:A:TYR:HD2	18	2.14
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	19	2.14
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	19	2.14
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	19	2.14
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	1	2.14
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	3	2.14
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	5	2.14
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	13	2.14
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	5	2.13
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	5	2.13
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	5	2.13
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	5	2.13
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	5	2.13
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	5	2.13
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	5	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	5	2.13
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	5	2.13
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	5	2.13
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	5	2.13
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	5	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	18	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	18	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	18	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	18	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	18	2.13
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	18	2.13
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	18	2.13
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	2	2.13
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	2	2.13
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	2	2.13
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	2	2.13
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	2	2.13
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	2	2.13
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	2	2.13
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	2	2.13
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	2	2.13
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD11	17	2.13
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD12	17	2.13
(1,2039)	1:156:A:LEU:HD21	1:186:A:ILE:HD13	17	2.13
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD11	17	2.13
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD12	17	2.13
(1,2039)	1:156:A:LEU:HD22	1:186:A:ILE:HD13	17	2.13
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD11	17	2.13
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD12	17	2.13
(1,2039)	1:156:A:LEU:HD23	1:186:A:ILE:HD13	17	2.13
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	16	2.13
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	16	2.13
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	16	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	16	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	16	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	16	2.13
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	17	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	17	2.13
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	17	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	17	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	17	2.13
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	17	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	2	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	2	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	8	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	8	2.13
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	8	2.13
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	11	2.13
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	11	2.13
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	11	2.13
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	11	2.13
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	11	2.13
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	11	2.13
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	11	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	11	2.13
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	11	2.13
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	15	2.13
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	8	2.13
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	8	2.13
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	17	2.13
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	12	2.13
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	12	2.13
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	12	2.13
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	18	2.13
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	12	2.13
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	12	2.13
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	12	2.13
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	10	2.13
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	10	2.13
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	10	2.13
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	10	2.13
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	14	2.13
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	14	2.13
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	14	2.13
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	14	2.13
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	2	2.13
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	2	2.13
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	6	2.13
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	6	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	6	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	6	2.13
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	20	2.13
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	20	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	20	2.13
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	20	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	2	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	2	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	2	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	7	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	7	2.13
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	7	2.13
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	12	2.13
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	19	2.13
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	12	2.13
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	12	2.13
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	12	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	12	2.13
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB3	12	2.13
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	12	2.13
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB3	12	2.13
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	12	2.13
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB3	12	2.13
(1,794)	1:139:A:ALA:HB1	1:143:A:HIS:HB2	12	2.13
(1,794)	1:139:A:ALA:HB2	1:143:A:HIS:HB2	12	2.13
(1,794)	1:139:A:ALA:HB3	1:143:A:HIS:HB2	12	2.13
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	9	2.13
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	9	2.13
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	9	2.13
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	9	2.13
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	9	2.13
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	9	2.13
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	9	2.13
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	9	2.13
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	9	2.13
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	1	2.13
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	1	2.13
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	1	2.13
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	4	2.13
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	4	2.13
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	16	2.13
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	16	2.13
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	9	2.13
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	9	2.13
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	1	2.13
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	8	2.13
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	8	2.13
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	8	2.13
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	8	2.13
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	8	2.13
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	8	2.13
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	8	2.13
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	8	2.13
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	8	2.13
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	8	2.13
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	8	2.13
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	8	2.13
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	1	2.13
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	1	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	1	2.13
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	1	2.13
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	1	2.13
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	1	2.13
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD11	16	2.13
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD12	16	2.13
(1,219)	1:15:A:ALA:HB1	1:59:A:ILE:HD13	16	2.13
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD11	16	2.13
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD12	16	2.13
(1,219)	1:15:A:ALA:HB2	1:59:A:ILE:HD13	16	2.13
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD11	16	2.13
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD12	16	2.13
(1,219)	1:15:A:ALA:HB3	1:59:A:ILE:HD13	16	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	13	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	13	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	13	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	13	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	13	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	13	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	15	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	15	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	15	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	15	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	15	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	15	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	19	2.13
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	19	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	19	2.13
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	19	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	19	2.13
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	19	2.13
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	9	2.13
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	9	2.13
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	9	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	9	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	9	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	9	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	20	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	20	2.13
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	20	2.13
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	9	2.13
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	9	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	9	2.13
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	12	2.13
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	12	2.13
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	12	2.13
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	13	2.13
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	13	2.13
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	13	2.13
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	10	2.13
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	10	2.13
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	10	2.13
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	10	2.13
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	3	2.13
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	1	2.13
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	14	2.13
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	16	2.13
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	18	2.13
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	17	2.12
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	18	2.12
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	18	2.12
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	18	2.12
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	18	2.12
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	18	2.12
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	18	2.12
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	12	2.12
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	12	2.12
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	12	2.12
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	12	2.12
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	12	2.12
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	12	2.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	2	2.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	2	2.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	2	2.12
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	20	2.12
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	20	2.12
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	20	2.12
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	20	2.12
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	20	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	20	2.12
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	20	2.12
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	20	2.12
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	20	2.12
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	3	2.12
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	3	2.12
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	3	2.12
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	3	2.12
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	3	2.12
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	3	2.12
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	13	2.12
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	13	2.12
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	13	2.12
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	13	2.12
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	13	2.12
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	13	2.12
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	9	2.12
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	9	2.12
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	9	2.12
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	9	2.12
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	9	2.12
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	9	2.12
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	9	2.12
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	9	2.12
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	9	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	17	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	17	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	17	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	17	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	17	2.12
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	17	2.12
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	17	2.12
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	11	2.12
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	11	2.12
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	11	2.12
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	11	2.12
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	11	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	11	2.12
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	11	2.12
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	11	2.12
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	11	2.12
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	17	2.12
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	17	2.12
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	17	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	11	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	11	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	11	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	12	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	12	2.12
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	12	2.12
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	8	2.12
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	8	2.12
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	8	2.12
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	8	2.12
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	8	2.12
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	8	2.12
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	8	2.12
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	8	2.12
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	8	2.12
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	8	2.12
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	8	2.12
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	8	2.12
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	8	2.12
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	8	2.12
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	8	2.12
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	8	2.12
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	8	2.12
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	8	2.12
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	8	2.12
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	8	2.12
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	8	2.12
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	1	2.12
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	1	2.12
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	1	2.12
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	14	2.12
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	14	2.12
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	14	2.12
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	14	2.12
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	14	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	14	2.12
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	14	2.12
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	14	2.12
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	14	2.12
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	14	2.12
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	2	2.12
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	2	2.12
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	2	2.12
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	2	2.12
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	6	2.12
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	6	2.12
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	6	2.12
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	8	2.12
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	8	2.12
(1,816)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	8	2.12
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	20	2.12
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	20	2.12
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	20	2.12
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	16	2.12
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	1	2.12
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	1	2.12
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	12	2.12
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	12	2.12
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	12	2.12
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	12	2.12
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	12	2.12
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	12	2.12
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	19	2.12
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	19	2.12
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	19	2.12
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	19	2.12
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	19	2.12
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	19	2.12
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	15	2.12
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	15	2.12
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	15	2.12
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	15	2.12
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	15	2.12
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	15	2.12
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	15	2.12
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	15	2.12
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	15	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	2	2.12
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	2	2.12
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	1	2.12
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	1	2.12
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	8	2.12
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	8	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	3	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	3	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	3	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	3	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	11	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	11	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	11	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	11	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	12	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	12	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	12	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	12	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	17	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	17	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	17	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	17	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	20	2.12
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	20	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	20	2.12
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	20	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	5	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	5	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	5	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	5	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	17	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	17	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	17	2.12
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	17	2.12
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	6	2.12
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	6	2.12
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	16	2.12
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	8	2.12
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	8	2.12
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	8	2.12
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	8	2.12
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	8	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	8	2.12
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	14	2.12
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	14	2.12
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	14	2.12
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	1	2.12
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	1	2.12
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	20	2.12
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	20	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	1	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	1	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	1	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	1	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	1	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	1	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	9	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	9	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	9	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	9	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	9	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	9	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	12	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	12	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	12	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	12	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	12	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	12	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	20	2.12
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	20	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	20	2.12
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	20	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	20	2.12
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	20	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	5	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	5	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	5	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	13	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	13	2.12
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	13	2.12
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	18	2.12
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	18	2.12
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	18	2.12
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	7	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	7	2.12
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	7	2.12
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	20	2.12
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	20	2.12
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	20	2.12
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	15	2.12
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	15	2.12
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	5	2.12
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	17	2.12
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	11	2.11
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	11	2.11
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	11	2.11
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	11	2.11
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	11	2.11
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	11	2.11
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	8	2.11
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	8	2.11
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	8	2.11
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	8	2.11
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	8	2.11
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	8	2.11
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	8	2.11
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	8	2.11
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	8	2.11
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	14	2.11
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	14	2.11
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	14	2.11
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	14	2.11
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	14	2.11
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	14	2.11
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	6	2.11
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	6	2.11
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	6	2.11
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	6	2.11
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	6	2.11
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	6	2.11
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	1	2.11
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	1	2.11
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	1	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	1	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	1	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	1	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	14	2.11
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	14	2.11
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	14	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	14	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	14	2.11
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	14	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	9	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	9	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	9	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	15	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	15	2.11
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	15	2.11
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	3	2.11
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	3	2.11
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	3	2.11
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	3	2.11
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	3	2.11
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	3	2.11
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	3	2.11
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	3	2.11
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	3	2.11
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	12	2.11
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	12	2.11
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	12	2.11
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	20	2.11
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	20	2.11
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	20	2.11
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	20	2.11
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	20	2.11
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	20	2.11
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	20	2.11
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	20	2.11
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	20	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	4	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	4	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	4	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	4	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	4	2.11
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	4	2.11
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	4	2.11
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	4	2.11
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	4	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	4	2.11
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	4	2.11
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	4	2.11
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	4	2.11
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	12	2.11
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	12	2.11
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	12	2.11
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	10	2.11
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	10	2.11
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	10	2.11
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	14	2.11
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	14	2.11
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	8	2.11
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	1	2.11
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	1	2.11
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	18	2.11
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	18	2.11
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	18	2.11
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	18	2.11
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	18	2.11
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	18	2.11
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	18	2.11
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	18	2.11
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	18	2.11
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	12	2.11
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	12	2.11
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	12	2.11
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	12	2.11
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	12	2.11
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	12	2.11
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	3	2.11
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	3	2.11
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	3	2.11
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	3	2.11
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	3	2.11
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	3	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	1	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	1	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	1	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	4	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	4	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	4	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	13	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	13	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	13	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	16	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	16	2.11
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	16	2.11
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	2	2.11
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	2	2.11
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	13	2.11
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	13	2.11
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	7	2.11
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	7	2.11
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	7	2.11
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	1	2.11
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	1	2.11
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	1	2.11
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	1	2.11
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	1	2.11
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	1	2.11
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	6	2.11
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	6	2.11
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	12	2.11
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	12	2.11
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	14	2.11
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	14	2.11
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	18	2.11
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	18	2.11
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	11	2.11
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	12	2.11
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	12	2.11
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	12	2.11
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	12	2.11
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	12	2.11
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	12	2.11
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	12	2.11
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	12	2.11
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	4	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	4	2.11
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	4	2.11
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	4	2.11
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	4	2.11
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	4	2.11
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	9	2.11
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	9	2.11
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	9	2.11
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	13	2.11
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	13	2.11
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	13	2.11
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG21	19	2.11
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG22	19	2.11
(1,117)	1:134:A:ILE:HA	1:134:A:ILE:HG23	19	2.11
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	10	2.11
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	10	2.11
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	10	2.11
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	7	2.11
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	15	2.11
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	10	2.11
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	18	2.11
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	17	2.11
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	17	2.11
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	17	2.11
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	17	2.1
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	17	2.1
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	17	2.1
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	1	2.1
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	1	2.1
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	1	2.1
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	13	2.1
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	13	2.1
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	13	2.1
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	13	2.1
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	13	2.1
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	13	2.1
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	3	2.1
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	3	2.1
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	3	2.1
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	3	2.1
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	3	2.1
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	3	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	9	2.1
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	9	2.1
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	9	2.1
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	9	2.1
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	9	2.1
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	9	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	2	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	2	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	3	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	3	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	5	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	5	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	5	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	5	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	5	2.1
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	5	2.1
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	5	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	5	2.1
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	5	2.1
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	5	2.1
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	10	2.1
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	19	2.1
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	19	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	16	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	16	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	16	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	18	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	18	2.1
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	18	2.1
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	6	2.1
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	6	2.1
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	6	2.1
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	7	2.1
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	7	2.1
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	7	2.1
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	7	2.1
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	7	2.1
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	7	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	7	2.1
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	7	2.1
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	7	2.1
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	13	2.1
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	13	2.1
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	13	2.1
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	13	2.1
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	13	2.1
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	13	2.1
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	13	2.1
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	13	2.1
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	13	2.1
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	9	2.1
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	9	2.1
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	9	2.1
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	9	2.1
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	9	2.1
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	9	2.1
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	9	2.1
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	9	2.1
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	9	2.1
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	3	2.1
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	3	2.1
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	3	2.1
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	3	2.1
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	3	2.1
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	3	2.1
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	3	2.1
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	3	2.1
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	3	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	14	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	14	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	14	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	14	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	14	2.1
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	14	2.1
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	14	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	14	2.1
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	14	2.1
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	14	2.1
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	14	2.1
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	14	2.1
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	14	2.1
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	5	2.1
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	5	2.1
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	18	2.1
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	18	2.1
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	16	2.1
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	16	2.1
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	20	2.1
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	20	2.1
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	8	2.1
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	8	2.1
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	8	2.1
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	16	2.1
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	16	2.1
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	16	2.1
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	17	2.1
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	17	2.1
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	17	2.1
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	17	2.1
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	6	2.1
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	6	2.1
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	10	2.1
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	10	2.1
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	4	2.1
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	4	2.1
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	15	2.1
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	15	2.1
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	15	2.1
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	15	2.1
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	15	2.1
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	15	2.1
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	14	2.1
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	14	2.1
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	14	2.1
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	14	2.1
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	14	2.1
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	14	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	3	2.1
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	1	2.1
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	1	2.1
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	1	2.1
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	1	2.1
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	1	2.1
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	1	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	10	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	10	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	10	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	12	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	12	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	12	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	14	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	14	2.1
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	14	2.1
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	4	2.1
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	4	2.1
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	6	2.1
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	17	2.1
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	12	2.1
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	12	2.1
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	12	2.1
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	16	2.1
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	16	2.1
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	16	2.1
(1,603)	1:120:A:ILE:HG21	1:234:A:ILE:HG12	19	2.1
(1,603)	1:120:A:ILE:HG22	1:234:A:ILE:HG12	19	2.1
(1,603)	1:120:A:ILE:HG23	1:234:A:ILE:HG12	19	2.1
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	5	2.1
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	10	2.1
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	10	2.1
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	10	2.1
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	10	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	9	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	9	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	9	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	9	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	19	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	19	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	19	2.1
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	19	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	5	2.1
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	5	2.1
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	5	2.1
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	1	2.1
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	1	2.1
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	11	2.1
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	11	2.1
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	19	2.1
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	19	2.1
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	19	2.1
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	19	2.1
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	19	2.1
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	19	2.1
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	20	2.1
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	20	2.1
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	9	2.1
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	9	2.1
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	9	2.1
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	9	2.1
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	9	2.1
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	9	2.1
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	9	2.1
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	9	2.1
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	9	2.1
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	17	2.1
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	17	2.1
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	17	2.1
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	20	2.1
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	20	2.1
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	20	2.1
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	3	2.1
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	3	2.1
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	3	2.1
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	5	2.1
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	5	2.1
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	5	2.1
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	5	2.1
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	5	2.1
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	5	2.1
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	18	2.1
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	18	2.1
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	18	2.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	18	2.1
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	18	2.1
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	18	2.1
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	11	2.1
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	11	2.1
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	16	2.1
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	16	2.1
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	16	2.1
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	17	2.1
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	17	2.1
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	17	2.1
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	17	2.1
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	17	2.1
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	17	2.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	11	2.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	11	2.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	11	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	3	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	3	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	3	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	12	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	12	2.1
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	12	2.1
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	10	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	3	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	3	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	3	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	6	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	6	2.1
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	6	2.1
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	5	2.1
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	2	2.1
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	8	2.1
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	8	2.1
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	12	2.1
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	9	2.09
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	9	2.09
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	9	2.09
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	19	2.09
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	19	2.09
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	19	2.09
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	19	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	19	2.09
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	19	2.09
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	11	2.09
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	11	2.09
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	11	2.09
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	14	2.09
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	14	2.09
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	14	2.09
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	14	2.09
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	14	2.09
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	14	2.09
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	8	2.09
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	8	2.09
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	8	2.09
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	8	2.09
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	8	2.09
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	8	2.09
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	11	2.09
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	11	2.09
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	11	2.09
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	11	2.09
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	11	2.09
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	11	2.09
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	2.09
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	2.09
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	7	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	7	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	12	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	12	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	12	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	12	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	12	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	12	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	12	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	15	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	15	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	19	2.09
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	19	2.09
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	19	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	3	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	3	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	3	2.09
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	3	2.09
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	3	2.09
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	3	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	15	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	15	2.09
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	15	2.09
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	15	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	15	2.09
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	15	2.09
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	14	2.09
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	14	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	5	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	5	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	5	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	14	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	14	2.09
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	14	2.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	16	2.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	16	2.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	16	2.09
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	20	2.09
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	20	2.09
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	20	2.09
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	20	2.09
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	20	2.09
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	20	2.09
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	20	2.09
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	20	2.09
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	20	2.09
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	3	2.09
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	3	2.09
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	3	2.09
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	3	2.09
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	3	2.09
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	3	2.09
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	17	2.09
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	17	2.09
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	14	2.09
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	14	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	14	2.09
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	17	2.09
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	20	2.09
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	20	2.09
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	1	2.09
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	1	2.09
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	10	2.09
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	10	2.09
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	1	2.09
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	1	2.09
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	1	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	9	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	9	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	9	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	17	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	17	2.09
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	17	2.09
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	5	2.09
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	14	2.09
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	14	2.09
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	18	2.09
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	18	2.09
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	18	2.09
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	18	2.09
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	18	2.09
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	18	2.09
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	11	2.09
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	13	2.09
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	4	2.09
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	4	2.09
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	4	2.09
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	12	2.09
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	12	2.09
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	12	2.09
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	2	2.09
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	2	2.09
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	2	2.09
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	7	2.09
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	7	2.09
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	7	2.09
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	7	2.09
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	9	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	9	2.09
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	9	2.09
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	9	2.09
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	11	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	8	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	8	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	8	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	8	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	10	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	10	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	10	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	10	2.09
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	10	2.09
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	7	2.09
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	7	2.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	6	2.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	6	2.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	6	2.09
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	7	2.09
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	7	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	2	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	2	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	2	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	5	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	5	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	5	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	7	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	7	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	7	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	11	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	11	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	11	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	12	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	12	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	12	2.09
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	18	2.09
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	18	2.09
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	18	2.09
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	15	2.09
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	15	2.09
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	15	2.09
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	17	2.09
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	17	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	17	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	5	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	5	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	5	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	10	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	10	2.09
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	10	2.09
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	20	2.09
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	20	2.09
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	3	2.09
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	3	2.09
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	18	2.09
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	18	2.09
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	5	2.09
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	5	2.09
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	5	2.09
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	1	2.09
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	18	2.09
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	18	2.09
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	18	2.09
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	9	2.08
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	9	2.08
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	9	2.08
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	9	2.08
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	9	2.08
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	9	2.08
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	9	2.08
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	3	2.08
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	3	2.08
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	3	2.08
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	3	2.08
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	3	2.08
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	3	2.08
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	3	2.08
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	3	2.08
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	3	2.08
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	3	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	3	2.08
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	3	2.08
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	3	2.08
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	3	2.08
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	3	2.08
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	18	2.08
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	18	2.08
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	18	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	6	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	6	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	6	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	6	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	6	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	6	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	17	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	17	2.08
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	17	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	17	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	17	2.08
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	17	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	2	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	2	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	2	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	2	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	2	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	2	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	4	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	4	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	4	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	4	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	4	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	4	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	5	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	5	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	5	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	5	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	5	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	5	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	10	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	10	2.08
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	10	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	10	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	10	2.08
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	10	2.08
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	16	2.08
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	16	2.08
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	16	2.08
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	16	2.08
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	16	2.08
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	16	2.08
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	19	2.08
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	19	2.08
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	19	2.08
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	19	2.08
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	19	2.08
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	19	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	10	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	10	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	10	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	10	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	10	2.08
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	10	2.08
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	10	2.08
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	15	2.08
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	15	2.08
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	15	2.08
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	15	2.08
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	15	2.08
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	15	2.08
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	15	2.08
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	15	2.08
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	15	2.08
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	10	2.08
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	10	2.08
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	10	2.08
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	10	2.08
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	10	2.08
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	10	2.08
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	10	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	10	2.08
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	10	2.08
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	18	2.08
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	18	2.08
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	18	2.08
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	18	2.08
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	18	2.08
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	18	2.08
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	11	2.08
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	11	2.08
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	11	2.08
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	11	2.08
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	11	2.08
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	11	2.08
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	11	2.08
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	11	2.08
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	11	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	1	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	1	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	1	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	13	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	13	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	13	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	19	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	19	2.08
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	19	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	9	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	9	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	9	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	9	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	9	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	9	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	18	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	18	2.08
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	18	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	18	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	18	2.08
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	18	2.08
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	13	2.08
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	13	2.08
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	13	2.08
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	15	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	15	2.08
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	15	2.08
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	20	2.08
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	20	2.08
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	20	2.08
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	20	2.08
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	20	2.08
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	20	2.08
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	20	2.08
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	20	2.08
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	20	2.08
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	12	2.08
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	12	2.08
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	12	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	4	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	4	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	4	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	6	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	6	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	6	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	19	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	19	2.08
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	19	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	7	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	7	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	7	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	9	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	9	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	9	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	9	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	9	2.08
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	9	2.08
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	9	2.08
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	9	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	4	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	4	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	4	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	6	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	6	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	6	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	19	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	19	2.08
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	19	2.08
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	17	2.08
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	17	2.08
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	17	2.08
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	8	2.08
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	8	2.08
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	8	2.08
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	18	2.08
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	18	2.08
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	18	2.08
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	4	2.08
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	4	2.08
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	4	2.08
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	7	2.08
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	7	2.08
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	16	2.08
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	16	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	16	2.08
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	16	2.08
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	16	2.08
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	1	2.08
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	1	2.08
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	5	2.08
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	5	2.08
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	7	2.08
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	7	2.08
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	16	2.08
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	16	2.08
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	18	2.08
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	18	2.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	16	2.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	16	2.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	16	2.08
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	7	2.08
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	12	2.08
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	8	2.08
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	8	2.08
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	8	2.08
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	16	2.08
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	16	2.08
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	14	2.08
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	14	2.08
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	14	2.08
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	14	2.08
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	14	2.08
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	14	2.08
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	7	2.08
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	7	2.08
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	7	2.08
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	19	2.08
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	19	2.08
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	4	2.08
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	4	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	1	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	1	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	1	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	1	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	2	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	2	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	2	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	2	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	13	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	13	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	13	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	13	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	16	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	16	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	16	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	16	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	18	2.08
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	18	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	18	2.08
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	18	2.08
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	15	2.08
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	15	2.08
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	2	2.08
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	2	2.08
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	2	2.08
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	8	2.08
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	8	2.08
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	2	2.08
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	2	2.08
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	15	2.08
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	15	2.08
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	19	2.08
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	19	2.08
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	19	2.08
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	5	2.08
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	5	2.08
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	5	2.08
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	5	2.08
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	5	2.08
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	5	2.08
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	5	2.08
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	2	2.08
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	2	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	2	2.08
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	9	2.08
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	9	2.08
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	9	2.08
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	17	2.08
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	17	2.08
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	17	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	10	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	10	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	10	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	10	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	10	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	10	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	11	2.08
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	11	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	11	2.08
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	11	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	11	2.08
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	11	2.08
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	11	2.08
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	11	2.08
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	11	2.08
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	12	2.08
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	12	2.08
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	12	2.08
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	12	2.08
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	12	2.08
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	12	2.08
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	18	2.08
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	18	2.08
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	18	2.08
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	18	2.08
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	18	2.08
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	18	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	6	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	6	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	6	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	19	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	19	2.08
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	19	2.08
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	9	2.08
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	4	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	4	2.08
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	4	2.08
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	4	2.08
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	18	2.08
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	4	2.08
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	9	2.08
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	18	2.08
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	12	2.08
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	9	2.07
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	9	2.07
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	9	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	19	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	19	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	19	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	19	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	19	2.07
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	19	2.07
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	13	2.07
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	13	2.07
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	13	2.07
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	17	2.07
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	17	2.07
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	17	2.07
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	17	2.07
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	17	2.07
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	17	2.07
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	4	2.07
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	4	2.07
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	4	2.07
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	4	2.07
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	4	2.07
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	4	2.07
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	4	2.07
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	4	2.07
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	4	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	4	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	4	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	4	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	4	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	4	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	4	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	11	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	11	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	11	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	11	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	11	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	11	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	13	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	13	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	13	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	13	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	13	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	13	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	19	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	19	2.07
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	19	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	19	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	19	2.07
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	19	2.07
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	7	2.07
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	7	2.07
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	7	2.07
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	7	2.07
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	7	2.07
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	7	2.07
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	17	2.07
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	17	2.07
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	17	2.07
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	17	2.07
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	17	2.07
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	17	2.07
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	20	2.07
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	20	2.07
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	20	2.07
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	20	2.07
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	20	2.07
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	20	2.07
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	7	2.07
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	7	2.07
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	7	2.07
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	7	2.07
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	7	2.07
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	7	2.07
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	15	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	15	2.07
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	15	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	1	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	1	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	4	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	4	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	8	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	8	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	9	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	9	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	9	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	9	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	9	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	9	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	9	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	13	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	13	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	14	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	14	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	14	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	14	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	14	2.07
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	14	2.07
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	14	2.07
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	11	2.07
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	11	2.07
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	11	2.07
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	11	2.07
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	11	2.07
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	11	2.07
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	11	2.07
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	11	2.07
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	11	2.07
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	15	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	15	2.07
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	15	2.07
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	15	2.07
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	15	2.07
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	15	2.07
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	15	2.07
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	15	2.07
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	15	2.07
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	9	2.07
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	9	2.07
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	9	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	1	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	1	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	1	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	1	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	1	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	1	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	13	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	13	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	13	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	13	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	13	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	13	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	19	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	19	2.07
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	19	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	19	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	19	2.07
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	19	2.07
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	7	2.07
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	7	2.07
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	7	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	1	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	1	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	1	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	1	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	1	2.07
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	1	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	3	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	3	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	3	2.07
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	3	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	3	2.07
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	3	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	20	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	20	2.07
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	20	2.07
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	20	2.07
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	20	2.07
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	20	2.07
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	12	2.07
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	18	2.07
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	18	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	14	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	14	2.07
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	14	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	11	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	11	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	11	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	11	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	11	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	11	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	15	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	15	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	15	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	15	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	15	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	15	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	17	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	17	2.07
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	17	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	17	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	17	2.07
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	17	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	3	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	3	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	3	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	18	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	18	2.07
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	18	2.07
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	19	2.07
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	19	2.07
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	19	2.07
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	19	2.07
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	19	2.07
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	19	2.07
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	19	2.07
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	19	2.07
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	19	2.07
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	13	2.07
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	13	2.07
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	13	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	1	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	1	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	1	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	1	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	1	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	1	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	1	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	1	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	1	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	12	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	12	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	12	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	12	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	12	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	12	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	12	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	12	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	12	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	17	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	17	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	17	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	17	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	17	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	17	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	17	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	17	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	17	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	18	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	18	2.07
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	18	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	18	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	18	2.07
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	18	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	18	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	18	2.07
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	18	2.07
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	8	2.07
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	8	2.07
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	8	2.07
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	8	2.07
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	8	2.07
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	8	2.07
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	8	2.07
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	8	2.07
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	8	2.07
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	13	2.07
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	13	2.07
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	13	2.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	1	2.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	1	2.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	1	2.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	1	2.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	1	2.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	1	2.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	17	2.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	17	2.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	17	2.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	17	2.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	17	2.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	17	2.07
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	10	2.07
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	10	2.07
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	12	2.07
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	13	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	13	2.07
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	13	2.07
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	2	2.07
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	2	2.07
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	15	2.07
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	15	2.07
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	13	2.07
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	13	2.07
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	14	2.07
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	14	2.07
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	17	2.07
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	17	2.07
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	14	2.07
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	20	2.07
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	20	2.07
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	20	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	1	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	1	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	1	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	16	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	16	2.07
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	16	2.07
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	3	2.07
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	3	2.07
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	3	2.07
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	7	2.07
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	7	2.07
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	7	2.07
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	7	2.07
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	7	2.07
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	7	2.07
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	19	2.07
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	19	2.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	9	2.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	9	2.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	9	2.07
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	7	2.07
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	7	2.07
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	15	2.07
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	15	2.07
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	2	2.07
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	2	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	6	2.07
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	6	2.07
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	4	2.07
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	4	2.07
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	4	2.07
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	4	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	4	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	4	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	12	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	12	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	18	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	18	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	19	2.07
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	19	2.07
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	1	2.07
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	1	2.07
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	1	2.07
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	1	2.07
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	5	2.07
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	5	2.07
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	15	2.07
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	15	2.07
(1,493)	1:156:A:LEU:HB2	1:157:A:ALA:H	18	2.07
(1,493)	1:156:A:LEU:HB3	1:157:A:ALA:H	18	2.07
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	15	2.07
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	15	2.07
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	1	2.07
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	1	2.07
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	1	2.07
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	1	2.07
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	5	2.07
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	5	2.07
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	4	2.07
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	4	2.07
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	2	2.07
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	2	2.07
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	2	2.07
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	2	2.07
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	3	2.07
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	3	2.07
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	3	2.07
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	1	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	1	2.07
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	1	2.07
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	1	2.07
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	1	2.07
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	1	2.07
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	16	2.07
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	16	2.07
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	16	2.07
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	16	2.07
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	16	2.07
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	16	2.07
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	6	2.07
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	6	2.07
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	19	2.07
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	19	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	4	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	4	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	7	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	7	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	8	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	8	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	9	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	9	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	15	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	15	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	16	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	16	2.07
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	17	2.07
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	17	2.07
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	1	2.07
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	1	2.07
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	1	2.07
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	1	2.07
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	1	2.07
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	1	2.07
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	14	2.07
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	14	2.07
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	14	2.07
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	14	2.07
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	14	2.07
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	14	2.07
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	18	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	18	2.07
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	18	2.07
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	18	2.07
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	18	2.07
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	18	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	2	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	2	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	2	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	6	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	6	2.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	6	2.07
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	6	2.07
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	6	2.07
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	6	2.07
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	6	2.07
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	6	2.07
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	6	2.07
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	6	2.07
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	6	2.07
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	6	2.07
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	11	2.07
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	11	2.07
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	11	2.07
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	10	2.07
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	11	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	3	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	3	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	3	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	5	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	5	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	5	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	14	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	14	2.07
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	14	2.07
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	17	2.07
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	17	2.07
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	17	2.07
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	11	2.07
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	11	2.07
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	11	2.07
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	1	2.07
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	18	2.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	6	2.07
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	11	2.07
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	13	2.07
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	16	2.07
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	16	2.07
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	16	2.07
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	16	2.07
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	16	2.07
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	16	2.07
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	8	2.07
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	8	2.07
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	8	2.07
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	8	2.07
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	3	2.06
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	3	2.06
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	3	2.06
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	17	2.06
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	17	2.06
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	17	2.06
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	12	2.06
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	12	2.06
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	12	2.06
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	12	2.06
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	12	2.06
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	12	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	8	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	8	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	8	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	8	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	8	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	8	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	16	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	16	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	16	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	16	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	16	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	16	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	2.06
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	2.06
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	2.06
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	10	2.06
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	10	2.06
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	10	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	6	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	6	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	16	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	16	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	2.06
(1,2051)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	2.06
(1,2051)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	2.06
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	3	2.06
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	3	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	3	2.06
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	17	2.06
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	17	2.06
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	17	2.06
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	16	2.06
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	16	2.06
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	16	2.06
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	16	2.06
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	16	2.06
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	16	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	3	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	3	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	3	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	3	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	3	2.06
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	3	2.06
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	20	2.06
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	20	2.06
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	20	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	5	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	5	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	5	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	5	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	5	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	5	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	11	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	11	2.06
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	11	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	11	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	11	2.06
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	11	2.06
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	10	2.06
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	10	2.06
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	10	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	1	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	1	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	1	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	1	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	1	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	1	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	3	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	3	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	3	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	3	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	3	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	3	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	6	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	6	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	6	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	6	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	6	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	6	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	8	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	8	2.06
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	8	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	8	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	8	2.06
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	8	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	1	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	1	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	1	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	13	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	13	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	13	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	19	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	19	2.06
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	19	2.06
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	17	2.06
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	17	2.06
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	17	2.06
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	17	2.06
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	17	2.06
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	17	2.06
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	13	2.06
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	13	2.06
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	13	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	13	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	13	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	13	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	13	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	13	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	13	2.06
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	16	2.06
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	16	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	16	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	16	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	16	2.06
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	16	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	16	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	16	2.06
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	16	2.06
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	14	2.06
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	14	2.06
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	14	2.06
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	14	2.06
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	14	2.06
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	14	2.06
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	14	2.06
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	14	2.06
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	14	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	2	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	2	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	2	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	16	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	16	2.06
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	16	2.06
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	13	2.06
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	13	2.06
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	13	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	2	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	2	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	2	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	2	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	2	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	2	2.06
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	2	2.06
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	2	2.06
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	2	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	16	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	16	2.06
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	16	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	16	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	16	2.06
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	16	2.06
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	16	2.06
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	16	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	2	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	2	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	2	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	16	2.06
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	16	2.06
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	16	2.06
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	16	2.06
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	1	2.06
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	1	2.06
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	1	2.06
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	1	2.06
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	1	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	1	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	2	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	2	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	2	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	16	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	16	2.06
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	16	2.06
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	15	2.06
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	15	2.06
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	15	2.06
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	8	2.06
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	8	2.06
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	8	2.06
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	8	2.06
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	8	2.06
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	8	2.06
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	12	2.06
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	12	2.06
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	19	2.06
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	19	2.06
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	6	2.06
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	3	2.06
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	3	2.06
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	3	2.06
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	5	2.06
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	5	2.06
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	5	2.06
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	2	2.06
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	2	2.06
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	15	2.06
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	15	2.06
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	2.06
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	2.06
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	17	2.06
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	20	2.06
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	20	2.06
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	20	2.06
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	20	2.06
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	20	2.06
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	20	2.06
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	17	2.06
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	17	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	17	2.06
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	3	2.06
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	3	2.06
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	3	2.06
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	5	2.06
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	5	2.06
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	5	2.06
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	19	2.06
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	19	2.06
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	19	2.06
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	19	2.06
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	19	2.06
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	19	2.06
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	18	2.06
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	18	2.06
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	18	2.06
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	2	2.06
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	2	2.06
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	6	2.06
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	6	2.06
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	6	2.06
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	6	2.06
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	1	2.06
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	18	2.06
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	18	2.06
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	18	2.06
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	18	2.06
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	2	2.06
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	2	2.06
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	6	2.06
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	6	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	13	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	13	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	13	2.06
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	13	2.06
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	13	2.06
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	13	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	13	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	13	2.06
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	13	2.06
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	6	2.06
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	6	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	6	2.06
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	6	2.06
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	3	2.06
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	3	2.06
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	15	2.06
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	15	2.06
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	3	2.06
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	3	2.06
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	3	2.06
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	19	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	14	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	14	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	14	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	15	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	15	2.06
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	15	2.06
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	12	2.06
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	12	2.06
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	19	2.06
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	19	2.06
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	12	2.06
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	12	2.06
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	12	2.06
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	9	2.06
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	9	2.06
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	9	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	7	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	7	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	7	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	20	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	20	2.06
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	20	2.06
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	11	2.06
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	11	2.06
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	11	2.06
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	7	2.06
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	1	2.06
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	1	2.06
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	6	2.06
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	6	2.06
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	6	2.06
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	6	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	1	2.06
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	19	2.06
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	20	2.06
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	7	2.06
(1,21)	1:129:A:TRP:H	1:129:A:TRP:HD1	16	2.06
(1,1)	1:171:A:HIS:HA	1:171:A:HIS:HD2	15	2.06
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	10	2.05
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	10	2.05
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	10	2.05
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	19	2.05
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	19	2.05
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	19	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	6	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	6	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	6	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	6	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	6	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	6	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	6	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	6	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	6	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	10	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	10	2.05
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	10	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	10	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	10	2.05
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	10	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	10	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	10	2.05
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	10	2.05
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	17	2.05
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	17	2.05
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	17	2.05
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	17	2.05
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	17	2.05
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	17	2.05
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	5	2.05
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	5	2.05
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	5	2.05
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	5	2.05
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	5	2.05
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	5	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	1	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	1	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	1	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	1	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	1	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	1	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	7	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	7	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	7	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	7	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	7	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	7	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	9	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	9	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	9	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	9	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	9	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	9	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	12	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	12	2.05
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	12	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	12	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	12	2.05
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	12	2.05
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	8	2.05
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	8	2.05
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	8	2.05
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	8	2.05
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	8	2.05
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	8	2.05
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	16	2.05
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	16	2.05
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	16	2.05
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	16	2.05
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	16	2.05
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	16	2.05
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	2.05
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	2.05
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	6	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	6	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	6	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	6	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	6	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	6	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	8	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	8	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	8	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	8	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	8	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	8	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	11	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	11	2.05
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	11	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	11	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	11	2.05
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	11	2.05
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	10	2.05
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	10	2.05
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	10	2.05
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	10	2.05
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	10	2.05
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	10	2.05
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	10	2.05
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	10	2.05
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	10	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	4	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	4	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	4	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	8	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	8	2.05
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	8	2.05
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	1	2.05
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	1	2.05
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	1	2.05
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	1	2.05
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	1	2.05
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	1	2.05
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	1	2.05
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	1	2.05
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	1	2.05
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	8	2.05
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	8	2.05
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	8	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	8	2.05
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	8	2.05
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	8	2.05
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	2	2.05
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	2	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	15	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	15	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	15	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	18	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	18	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	18	2.05
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	18	2.05
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	2	2.05
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	2	2.05
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	2	2.05
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	16	2.05
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	16	2.05
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	16	2.05
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	8	2.05
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	8	2.05
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	8	2.05
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	8	2.05
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	8	2.05
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	8	2.05
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	8	2.05
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	8	2.05
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	8	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	1	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	1	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	1	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	7	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	7	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	7	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	8	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	8	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	8	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	10	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	10	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	10	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	15	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	15	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	15	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	17	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	17	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	17	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	18	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	18	2.05
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	18	2.05
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	4	2.05
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	4	2.05
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	4	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	9	2.05
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	9	2.05
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	9	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	1	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	1	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	1	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	7	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	7	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	7	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	8	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	8	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	8	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	10	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	10	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	10	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	15	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	15	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	15	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	17	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	17	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	17	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	18	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	18	2.05
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	18	2.05
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	10	2.05
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	10	2.05
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	10	2.05
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	9	2.05
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	9	2.05
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	9	2.05
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	9	2.05
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	9	2.05
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	9	2.05
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	1	2.05
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	1	2.05
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	3	2.05
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	3	2.05
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	9	2.05
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	9	2.05
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	1	2.05
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	14	2.05
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	17	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	17	2.05
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	9	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	6	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	6	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	6	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	6	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	19	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	19	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	19	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	19	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	20	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	20	2.05
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	20	2.05
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	20	2.05
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	13	2.05
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	13	2.05
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	13	2.05
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	1	2.05
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	1	2.05
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	1	2.05
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	1	2.05
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	1	2.05
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	1	2.05
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD11	11	2.05
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD12	11	2.05
(1,810)	1:186:A:ILE:HA	1:186:A:ILE:HD13	11	2.05
(1,809)	1:178:A:TRP:HE3	1:186:A:ILE:HB	3	2.05
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	20	2.05
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	20	2.05
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	12	2.05
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	12	2.05
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	12	2.05
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	2	2.05
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	2	2.05
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	2	2.05
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	2	2.05
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	2	2.05
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	2	2.05
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	3	2.05
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	3	2.05
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	3	2.05
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	3	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	3	2.05
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	3	2.05
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	16	2.05
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	16	2.05
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	16	2.05
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	16	2.05
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	16	2.05
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	16	2.05
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	11	2.05
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	11	2.05
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	11	2.05
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	9	2.05
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	9	2.05
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	9	2.05
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	1	2.05
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	1	2.05
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	20	2.05
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	20	2.05
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	12	2.05
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	12	2.05
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	12	2.05
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	12	2.05
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	12	2.05
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	12	2.05
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	7	2.05
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	7	2.05
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	7	2.05
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	7	2.05
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	7	2.05
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	7	2.05
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	7	2.05
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	7	2.05
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	14	2.05
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	14	2.05
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	14	2.05
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	10	2.05
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	10	2.05
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	11	2.05
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	11	2.05
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	8	2.05
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	8	2.05
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	7	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	7	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	2	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	2	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	2	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	2	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	3	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	3	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	3	2.05
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	3	2.05
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	17	2.05
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	17	2.05
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	5	2.05
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	9	2.05
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	14	2.05
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	14	2.05
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	14	2.05
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	11	2.05
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	11	2.05
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	11	2.05
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	10	2.05
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	10	2.05
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	14	2.05
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	14	2.05
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	5	2.05
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	5	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	5	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	5	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	5	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	5	2.05
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	5	2.05
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	5	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	6	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	6	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	6	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	6	2.05
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	6	2.05
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	6	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	7	2.05
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	7	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	7	2.05
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	7	2.05
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	7	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	7	2.05
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	4	2.05
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	4	2.05
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	4	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	14	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	14	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	14	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG21	18	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG22	18	2.05
(1,138)	1:231:A:ILE:HA	1:231:A:ILE:HG23	18	2.05
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	10	2.05
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	10	2.05
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	10	2.05
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	17	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	1	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	1	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	1	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	12	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	12	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	12	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	19	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	19	2.05
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	19	2.05
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	19	2.05
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	19	2.05
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	19	2.05
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	19	2.05
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	19	2.05
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	19	2.05
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	19	2.05
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	19	2.05
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	14	2.05
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	17	2.05
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	5	2.04
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	5	2.04
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	5	2.04
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	5	2.04
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	5	2.04
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	5	2.04
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	19	2.04
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	19	2.04
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	19	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	6	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	6	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	6	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	6	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	6	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	6	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	14	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	14	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	14	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	14	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	14	2.04
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	14	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	1	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	1	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	1	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	1	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	1	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	1	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	17	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	17	2.04
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	17	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	17	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	17	2.04
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	17	2.04
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	19	2.04
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	19	2.04
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	19	2.04
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	19	2.04
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	19	2.04
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	19	2.04
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	17	2.04
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	17	2.04
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	17	2.04
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	17	2.04
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	17	2.04
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	17	2.04
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	2.04
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	2.04
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	2.04
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	18	2.04
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	18	2.04
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	18	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	18	2.04
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	18	2.04
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	18	2.04
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	9	2.04
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	9	2.04
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	9	2.04
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	9	2.04
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	9	2.04
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	9	2.04
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	9	2.04
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	9	2.04
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	9	2.04
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	17	2.04
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	17	2.04
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	17	2.04
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	17	2.04
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	17	2.04
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	17	2.04
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	6	2.04
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	6	2.04
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	6	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	11	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	20	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	20	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	20	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	20	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	20	2.04
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	20	2.04
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	10	2.04
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	10	2.04
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	10	2.04
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	10	2.04
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	10	2.04
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	10	2.04
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	9	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	9	2.04
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	11	2.04
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	11	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	6	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	6	2.04
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	6	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	6	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	6	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	6	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD11	17	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD12	17	2.04
(1,1942)	1:200:A:LEU:HB2	1:200:A:LEU:HD13	17	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	4	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	4	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	4	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	4	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	4	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	4	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	5	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	5	2.04
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	5	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	5	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	5	2.04
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	5	2.04
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	13	2.04
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	13	2.04
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	13	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	3	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	3	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	3	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	3	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	3	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	3	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	3	2.04
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	3	2.04
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	3	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	19	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	19	2.04
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	19	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	19	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	19	2.04
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	19	2.04
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	19	2.04
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	19	2.04
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	19	2.04
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	8	2.04
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	8	2.04
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	8	2.04
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	8	2.04
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	8	2.04
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	8	2.04
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	19	2.04
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	19	2.04
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	19	2.04
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	17	2.04
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	17	2.04
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	17	2.04
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	17	2.04
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	17	2.04
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	17	2.04
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	17	2.04
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	17	2.04
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	17	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	5	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	5	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	5	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	9	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	9	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	9	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	11	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	11	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	11	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	14	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	14	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	14	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG21	20	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG22	20	2.04
(1,1862)	1:94:A:VAL:HA	1:94:A:VAL:HG23	20	2.04
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	16	2.04
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	16	2.04
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	16	2.04
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	16	2.04
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	16	2.04
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	16	2.04
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	3	2.04
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	3	2.04
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	3	2.04
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	3	2.04
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	3	2.04
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	3	2.04
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	3	2.04
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	3	2.04
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	3	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	1	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	1	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	1	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	1	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	1	2.04
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	1	2.04
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	1	2.04
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	1	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	5	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	5	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	5	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	9	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	9	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	9	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	11	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	11	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	11	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	14	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	14	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	14	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG21	20	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG22	20	2.04
(1,1812)	1:94:A:VAL:HA	1:94:A:VAL:HG23	20	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	4	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	4	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	4	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	8	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	8	2.04
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	8	2.04
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	7	2.04
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	7	2.04
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	4	2.04
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	9	2.04
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	11	2.04
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	11	2.04
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	11	2.04
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	11	2.04
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	12	2.04
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	12	2.04
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	12	2.04
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	12	2.04
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	14	2.04
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	17	2.04
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	17	2.04
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	5	2.04
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	5	2.04
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	18	2.04
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	18	2.04
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	16	2.04
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	12	2.04
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	12	2.04
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	12	2.04
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	13	2.04
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	1	2.04
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	1	2.04
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	1	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	1	2.04
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	1	2.04
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	1	2.04
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	16	2.04
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	16	2.04
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	16	2.04
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	5	2.04
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	5	2.04
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	5	2.04
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	4	2.04
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	4	2.04
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	12	2.04
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	12	2.04
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	19	2.04
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	19	2.04
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	19	2.04
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	5	2.04
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	5	2.04
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	5	2.04
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	5	2.04
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	5	2.04
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	5	2.04
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	5	2.04
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	5	2.04
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	5	2.04
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	5	2.04
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	3	2.04
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	3	2.04
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	14	2.04
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	14	2.04
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	14	2.04
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	14	2.04
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	8	2.04
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	8	2.04
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	8	2.04
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	8	2.04
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	14	2.04
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	14	2.04
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	12	2.04
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	12	2.04
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	14	2.04
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	14	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	14	2.04
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	15	2.04
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	15	2.04
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	15	2.04
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	15	2.04
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	15	2.04
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	15	2.04
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	15	2.04
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	12	2.04
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	4	2.04
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	4	2.04
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	4	2.04
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	11	2.04
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	11	2.04
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	11	2.04
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	15	2.04
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	15	2.04
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	15	2.04
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	15	2.04
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	15	2.04
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	9	2.04
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	9	2.04
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	9	2.04
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	8	2.04
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	8	2.04
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	8	2.04
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	8	2.04
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	8	2.04
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	6	2.04
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	6	2.04
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	14	2.04
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	14	2.04
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	13	2.04
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	13	2.04
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	13	2.04
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	13	2.04
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	13	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	13	2.04
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	2	2.04
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	2	2.04
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	2	2.04
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	2	2.04
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	2	2.04
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	2	2.04
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	1	2.04
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	1	2.04
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	1	2.04
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	2	2.04
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	2	2.04
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	2	2.04
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	12	2.04
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	12	2.04
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	12	2.04
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	12	2.04
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	12	2.04
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	12	2.04
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	9	2.04
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	9	2.04
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	9	2.04
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	9	2.04
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	9	2.04
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	9	2.04
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	9	2.04
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	9	2.04
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	9	2.04
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	11	2.04
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	11	2.04
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	11	2.04
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	11	2.04
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	11	2.04
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	11	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	6	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	6	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	6	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	10	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	10	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	10	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	15	2.04
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	15	2.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	15	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	2	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	4	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	6	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	8	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	19	2.04
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	20	2.04
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	1	2.04
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	1	2.04
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	11	2.04
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	11	2.04
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	11	2.04
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	11	2.04
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	5	2.04
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	1	2.04
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	10	2.04
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	12	2.04
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	8	2.04
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	8	2.04
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	8	2.04
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	18	2.03
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	18	2.03
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	18	2.03
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	18	2.03
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	18	2.03
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	18	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	2	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	2	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	2	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	2	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	2	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	2	2.03
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	2	2.03
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	2	2.03
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	2	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	20	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	20	2.03
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	20	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	20	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	20	2.03
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	20	2.03
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	20	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	20	2.03
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	20	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	3	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	3	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	3	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	3	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	3	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	3	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	7	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	7	2.03
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	7	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	7	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	7	2.03
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	7	2.03
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	7	2.03
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	7	2.03
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	7	2.03
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	7	2.03
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	7	2.03
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	7	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	5	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	5	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	5	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	5	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	5	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	5	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	15	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	15	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	15	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	15	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	15	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	15	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	18	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	18	2.03
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	18	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	18	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	18	2.03
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	18	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	13	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	13	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	13	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	13	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	13	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	13	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	16	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	16	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	16	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	16	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	16	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	16	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	18	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	18	2.03
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	18	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	18	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	18	2.03
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	18	2.03
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	12	2.03
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	12	2.03
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	12	2.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	13	2.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	13	2.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	13	2.03
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	13	2.03
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	13	2.03
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	13	2.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	13	2.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	13	2.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	13	2.03
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	13	2.03
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	13	2.03
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	13	2.03
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	13	2.03
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	13	2.03
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	13	2.03
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	13	2.03
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	13	2.03
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	13	2.03
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	14	2.03
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	14	2.03
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	14	2.03
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	14	2.03
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	14	2.03
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	14	2.03
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	14	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	14	2.03
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	14	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	11	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	11	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	11	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	11	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	11	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	11	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	14	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	14	2.03
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	14	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	14	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	14	2.03
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	14	2.03
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	13	2.03
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	13	2.03
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	13	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	8	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	8	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	8	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	8	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	8	2.03
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	8	2.03
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	14	2.03
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	14	2.03
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	14	2.03
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	15	2.03
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	15	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	11	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	11	2.03
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	11	2.03
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	3	2.03
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	3	2.03
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	3	2.03
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	3	2.03
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	3	2.03
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	3	2.03
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	3	2.03
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	3	2.03
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	3	2.03
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	2	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	2	2.03
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	2	2.03
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	2	2.03
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	2	2.03
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	2	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	6	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	6	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	6	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	6	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	6	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	6	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	6	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	6	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	6	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	7	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	7	2.03
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	7	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	7	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	7	2.03
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	7	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	7	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	7	2.03
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	7	2.03
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	6	2.03
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	6	2.03
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	6	2.03
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	6	2.03
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	6	2.03
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	6	2.03
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	6	2.03
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	6	2.03
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	6	2.03
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	5	2.03
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	5	2.03
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	5	2.03
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	5	2.03
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	5	2.03
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	5	2.03
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	5	2.03
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	5	2.03
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	5	2.03
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	6	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	6	2.03
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	6	2.03
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	6	2.03
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	6	2.03
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	6	2.03
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	6	2.03
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	6	2.03
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	6	2.03
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	12	2.03
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	12	2.03
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	12	2.03
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	16	2.03
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	16	2.03
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	16	2.03
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	16	2.03
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	16	2.03
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	16	2.03
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	16	2.03
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	16	2.03
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	16	2.03
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	13	2.03
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	13	2.03
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	13	2.03
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	13	2.03
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	13	2.03
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	13	2.03
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	3	2.03
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	3	2.03
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	3	2.03
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	3	2.03
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	11	2.03
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	18	2.03
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	18	2.03
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	18	2.03
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	7	2.03
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	7	2.03
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	7	2.03
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	12	2.03
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	19	2.03
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	16	2.03
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	16	2.03
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	16	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	12	2.03
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	8	2.03
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	14	2.03
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	14	2.03
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	10	2.03
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	10	2.03
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	17	2.03
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	17	2.03
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	2	2.03
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	2	2.03
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	2	2.03
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	1	2.03
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	1	2.03
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	1	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	2	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	2	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	2	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	5	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	5	2.03
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	5	2.03
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	5	2.03
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	5	2.03
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	5	2.03
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	5	2.03
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	5	2.03
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	5	2.03
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	7	2.03
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	7	2.03
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	7	2.03
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	7	2.03
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	18	2.03
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	18	2.03
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	18	2.03
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	18	2.03
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	12	2.03
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	12	2.03
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	12	2.03
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	12	2.03
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	12	2.03
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	12	2.03
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	1	2.03
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	1	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	1	2.03
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	1	2.03
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	18	2.03
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	18	2.03
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	18	2.03
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	11	2.03
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	11	2.03
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	6	2.03
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	6	2.03
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	6	2.03
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	6	2.03
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	6	2.03
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	6	2.03
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	14	2.03
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	14	2.03
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	14	2.03
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	14	2.03
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	14	2.03
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	14	2.03
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	20	2.03
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	20	2.03
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	20	2.03
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	20	2.03
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	20	2.03
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	20	2.03
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	20	2.03
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	20	2.03
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	20	2.03
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	20	2.03
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	20	2.03
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	18	2.03
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	18	2.03
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	18	2.03
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	18	2.03
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	18	2.03
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	18	2.03
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	18	2.03
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	18	2.03
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	18	2.03
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	8	2.03
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	8	2.03
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	12	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	12	2.03
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	4	2.03
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	4	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	6	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	6	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	6	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	6	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	16	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	16	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	16	2.03
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	16	2.03
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	14	2.03
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	14	2.03
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	14	2.03
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	14	2.03
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	14	2.03
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	14	2.03
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	10	2.03
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	10	2.03
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	17	2.03
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	17	2.03
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	18	2.03
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	18	2.03
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	18	2.03
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	7	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	2	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	3	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	5	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	7	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	11	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	12	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	14	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	16	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	18	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	19	2.03
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	20	2.03
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	3	2.03
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	3	2.03
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	3	2.03
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	3	2.03
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	3	2.03
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	3	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	4	2.03
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	4	2.03
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	4	2.03
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	4	2.03
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	4	2.03
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	4	2.03
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	5	2.03
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	5	2.03
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	5	2.03
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	5	2.03
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	5	2.03
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	5	2.03
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	5	2.03
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	5	2.03
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	5	2.03
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	1	2.03
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	3	2.03
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	5	2.03
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	13	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	2	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	2	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	2	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	9	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	9	2.03
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	9	2.03
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	2	2.03
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	10	2.03
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	10	2.03
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	10	2.03
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	18	2.03
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	18	2.03
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	5	2.02
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	5	2.02
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	5	2.02
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	2	2.02
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	2	2.02
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	2	2.02
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	18	2.02
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	18	2.02
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	18	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	9	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	9	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	9	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	9	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	9	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	9	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	9	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	9	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	9	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	13	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	13	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	13	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	13	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	13	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	13	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	13	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	13	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	13	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	16	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	16	2.02
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	16	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	16	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	16	2.02
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	16	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	16	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	16	2.02
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	16	2.02
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	10	2.02
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	10	2.02
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	10	2.02
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	10	2.02
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	10	2.02
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	10	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	3	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	3	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	3	2.02
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	3	2.02
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	3	2.02
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	3	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	12	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	12	2.02
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	12	2.02
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	12	2.02
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	12	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	12	2.02
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	5	2.02
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	5	2.02
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	5	2.02
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	5	2.02
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	5	2.02
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	5	2.02
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	2.02
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	14	2.02
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	14	2.02
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	10	2.02
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	10	2.02
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	10	2.02
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	10	2.02
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	10	2.02
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	10	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	6	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	6	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	6	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	6	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	6	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	6	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	6	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	6	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	6	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	12	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	12	2.02
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	12	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	12	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	12	2.02
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	12	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	12	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	12	2.02
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	12	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	11	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	11	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	11	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	11	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	11	2.02
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	11	2.02
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	11	2.02
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	11	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	11	2.02
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	11	2.02
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	11	2.02
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	11	2.02
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	11	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	6	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	6	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	6	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	6	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	6	2.02
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	6	2.02
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	20	2.02
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	20	2.02
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	20	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	13	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	13	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	13	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	13	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	13	2.02
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	13	2.02
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	8	2.02
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	8	2.02
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	8	2.02
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	8	2.02
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	8	2.02
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	8	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	4	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	4	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	16	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	20	2.02
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	20	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	2	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	18	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	18	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	18	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	18	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	18	2.02
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	18	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	4	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	4	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	4	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	4	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	4	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	4	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	4	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	4	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	4	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	7	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	7	2.02
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	7	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	7	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	7	2.02
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	7	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	7	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	7	2.02
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	7	2.02
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD21	12	2.02
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD22	12	2.02
(1,1817)	1:122:A:LEU:HA	1:122:A:LEU:HD23	12	2.02
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	12	2.02
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	12	2.02
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	12	2.02
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	8	2.02
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	13	2.02
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	19	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	2	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	2	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	2	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	16	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	16	2.02
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	16	2.02
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	19	2.02
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	19	2.02
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	19	2.02
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	3	2.02
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	13	2.02
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	8	2.02
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	8	2.02
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	8	2.02
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	13	2.02
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	13	2.02
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	13	2.02
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	13	2.02
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	9	2.02
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	9	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	9	2.02
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	9	2.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	18	2.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	18	2.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	18	2.02
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	4	2.02
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	4	2.02
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	4	2.02
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	4	2.02
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	17	2.02
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	17	2.02
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	17	2.02
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	17	2.02
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	1	2.02
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	1	2.02
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	1	2.02
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	8	2.02
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	8	2.02
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	8	2.02
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	8	2.02
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	15	2.02
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	15	2.02
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	15	2.02
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	15	2.02
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	20	2.02
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	20	2.02
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	20	2.02
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	20	2.02
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	20	2.02
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	20	2.02
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	16	2.02
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	16	2.02
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	4	2.02
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	4	2.02
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	4	2.02
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	4	2.02
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	18	2.02
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	18	2.02
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	18	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	20	2.02
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	20	2.02
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	20	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	20	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	20	2.02
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	20	2.02
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	16	2.02
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	16	2.02
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	16	2.02
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	16	2.02
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	16	2.02
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	16	2.02
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	14	2.02
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	14	2.02
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	12	2.02
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	12	2.02
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	18	2.02
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	18	2.02
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	18	2.02
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	18	2.02
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	18	2.02
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	18	2.02
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	18	2.02
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	11	2.02
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	11	2.02
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	11	2.02
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	3	2.02
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	3	2.02
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	5	2.02
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	5	2.02
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	1	2.02
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	8	2.02
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	13	2.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	3	2.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	3	2.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	3	2.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	3	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	3	2.02
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	3	2.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	16	2.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	16	2.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	16	2.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	16	2.02
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	16	2.02
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	16	2.02
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	17	2.02
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	17	2.02
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	17	2.02
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	17	2.02
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	17	2.02
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	17	2.02
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	17	2.02
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	17	2.02
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	17	2.02
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	7	2.02
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	7	2.02
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	7	2.02
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	12	2.02
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	12	2.02
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	12	2.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	6	2.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	6	2.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	6	2.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	6	2.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	6	2.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	6	2.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	6	2.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	6	2.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	6	2.02
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	4	2.02
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	4	2.02
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	4	2.02
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	3	2.02
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	3	2.02
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	3	2.02
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	14	2.02
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	16	2.02
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	18	2.02
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	10	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	10	2.02
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	10	2.02
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	4	2.02
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	4	2.02
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	4	2.02
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	15	2.02
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	16	2.02
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	1	2.02
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	1	2.02
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	20	2.02
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	20	2.02
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	7	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	7	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	7	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	16	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	16	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	16	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	18	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	18	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	18	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	18	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	18	2.01
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	18	2.01
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	1	2.01
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	1	2.01
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	1	2.01
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	19	2.01
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	19	2.01
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	19	2.01
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	19	2.01
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	19	2.01
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	19	2.01
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	15	2.01
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	15	2.01
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	15	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	15	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	15	2.01
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	15	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	15	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	15	2.01
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	15	2.01
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	2	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	2	2.01
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	2	2.01
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	2	2.01
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	2	2.01
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	2	2.01
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	3	2.01
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	3	2.01
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	3	2.01
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	3	2.01
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	3	2.01
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	3	2.01
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	12	2.01
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	12	2.01
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	12	2.01
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	12	2.01
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	12	2.01
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	12	2.01
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	2.01
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	18	2.01
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	18	2.01
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	9	2.01
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	9	2.01
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	9	2.01
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	9	2.01
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	9	2.01
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	9	2.01
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	9	2.01
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	9	2.01
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	9	2.01
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	4	2.01
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	4	2.01
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	4	2.01
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	4	2.01
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	4	2.01
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	4	2.01
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	5	2.01
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	5	2.01
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	5	2.01
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	5	2.01
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	5	2.01
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	5	2.01
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	10	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	10	2.01
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	10	2.01
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	9	2.01
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	9	2.01
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	9	2.01
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	9	2.01
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	9	2.01
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	9	2.01
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	5	2.01
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	6	2.01
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	6	2.01
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	18	2.01
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	18	2.01
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	18	2.01
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	18	2.01
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	18	2.01
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	18	2.01
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	18	2.01
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	18	2.01
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	18	2.01
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	1	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	1	2.01
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	1	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	1	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	1	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	1	2.01
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	9	2.01
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	9	2.01
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	9	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	9	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	9	2.01
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	9	2.01
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	11	2.01
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	11	2.01
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	11	2.01
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	10	2.01
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	10	2.01
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	10	2.01
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	10	2.01
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	10	2.01
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	10	2.01
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	10	2.01
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	10	2.01
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	10	2.01
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	2	2.01
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	2	2.01
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	2	2.01
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	20	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	20	2.01
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	20	2.01
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	20	2.01
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	3	2.01
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	3	2.01
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	3	2.01
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	5	2.01
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	5	2.01
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	5	2.01
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	5	2.01
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	5	2.01
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	5	2.01
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	5	2.01
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	5	2.01
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	5	2.01
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	11	2.01
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	11	2.01
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	2	2.01
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	2	2.01
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	2	2.01
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	10	2.01
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	10	2.01
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	10	2.01
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	12	2.01
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	12	2.01
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	12	2.01
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	9	2.01
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	9	2.01
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	9	2.01
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	11	2.01
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	16	2.01
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	13	2.01
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	14	2.01
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	14	2.01
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	14	2.01
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	2	2.01
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	2	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	2	2.01
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	2	2.01
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	3	2.01
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	14	2.01
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	12	2.01
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	12	2.01
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	12	2.01
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	19	2.01
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	7	2.01
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	7	2.01
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	7	2.01
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	7	2.01
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	7	2.01
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	7	2.01
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	11	2.01
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	11	2.01
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	11	2.01
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	11	2.01
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	10	2.01
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	10	2.01
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	9	2.01
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	10	2.01
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	10	2.01
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	10	2.01
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	13	2.01
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	13	2.01
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	8	2.01
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	8	2.01
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	8	2.01
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	3	2.01
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	3	2.01
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	5	2.01
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	5	2.01
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	5	2.01
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	4	2.01
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	4	2.01
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	4	2.01
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	4	2.01
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	4	2.01
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	4	2.01
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	4	2.01
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	4	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	4	2.01
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	9	2.01
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	9	2.01
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	2	2.01
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	2	2.01
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	2	2.01
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	5	2.01
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	5	2.01
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	19	2.01
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	19	2.01
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	19	2.01
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	5	2.01
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	5	2.01
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	5	2.01
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	19	2.01
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	19	2.01
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	19	2.01
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	3	2.01
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	18	2.01
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	13	2.01
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	13	2.01
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	13	2.01
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	13	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	2	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	2	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	2	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	18	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	18	2.01
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	18	2.01
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	19	2.01
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	19	2.01
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	19	2.01
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	9	2.01
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	9	2.01
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	14	2.01
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	14	2.01
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	15	2.01
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	15	2.01
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	16	2.01
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	16	2.01
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	18	2.01
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	18	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	18	2.01
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	18	2.01
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	18	2.01
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	18	2.01
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	15	2.01
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	15	2.01
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	15	2.01
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	15	2.01
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	15	2.01
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	15	2.01
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	5	2.01
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	5	2.01
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	5	2.01
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	16	2.01
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	16	2.01
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	16	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	1	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	1	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	1	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	1	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	1	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	1	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	1	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	1	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	1	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	8	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	8	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	8	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	8	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	8	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	8	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	8	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	8	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	8	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	15	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	15	2.01
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	15	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	15	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	15	2.01
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	15	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	15	2.01
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	15	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	15	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	1	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	1	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	1	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	17	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	17	2.01
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	17	2.01
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	17	2.01
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	1	2.01
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	1	2.01
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	1	2.01
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	5	2.01
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	5	2.01
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	5	2.01
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	15	2.01
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	12	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	12	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	12	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	13	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	13	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	13	2.0
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	7	2.0
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	7	2.0
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	7	2.0
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	16	2.0
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	16	2.0
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	16	2.0
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	12	2.0
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	12	2.0
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	12	2.0
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	12	2.0
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	12	2.0
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	12	2.0
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	12	2.0
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	12	2.0
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	12	2.0
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	14	2.0
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	14	2.0
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	14	2.0
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	14	2.0
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	14	2.0
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	14	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	19	2.0
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	19	2.0
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	19	2.0
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	19	2.0
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	19	2.0
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	19	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	2	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	2	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	2	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	2	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	2	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	2	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	14	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	14	2.0
(1,2117)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	14	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	14	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	14	2.0
(1,2117)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	14	2.0
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	2	2.0
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	2	2.0
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	2	2.0
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	2	2.0
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	2	2.0
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	2	2.0
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	4	2.0
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	4	2.0
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	2.0
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	12	2.0
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	12	2.0
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	12	2.0
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	12	2.0
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	12	2.0
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	12	2.0
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	18	2.0
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	18	2.0
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	18	2.0
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	18	2.0
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	18	2.0
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	18	2.0
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	18	2.0
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	18	2.0
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	18	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	3	2.0
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	3	2.0
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	3	2.0
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	3	2.0
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	3	2.0
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	3	2.0
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	3	2.0
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	3	2.0
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	7	2.0
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	7	2.0
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	7	2.0
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	16	2.0
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	16	2.0
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	16	2.0
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	1	2.0
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	3	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	3	2.0
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	17	2.0
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	17	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	1	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	1	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	1	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	1	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	1	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	1	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	1	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	1	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	1	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	16	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	16	2.0
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	16	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	16	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	16	2.0
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	16	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	16	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	16	2.0
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	16	2.0
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	10	2.0
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	10	2.0
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	10	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	10	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	10	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	10	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	20	2.0
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	20	2.0
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	20	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	20	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	20	2.0
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	20	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	10	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	10	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	10	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	10	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	10	2.0
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	10	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	1	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	1	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	1	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	1	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	1	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	1	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	1	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	1	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	1	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	5	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	5	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	5	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	5	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	5	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	5	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	5	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	5	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	5	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	15	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	15	2.0
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	15	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	15	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	15	2.0
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	15	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	15	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	15	2.0
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	15	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	4	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	4	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	4	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	4	2.0
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	4	2.0
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	4	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	4	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	4	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	4	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	19	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	19	2.0
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	19	2.0
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	19	2.0
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	19	2.0
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	19	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	19	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	19	2.0
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	19	2.0
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	17	2.0
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	17	2.0
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	17	2.0
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	7	2.0
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	7	2.0
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	7	2.0
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	7	2.0
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	7	2.0
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	7	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	5	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	5	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	5	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	5	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	5	2.0
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	5	2.0
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	10	2.0
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	10	2.0
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	10	2.0
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	10	2.0
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	10	2.0
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	16	2.0
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	2	2.0
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	10	2.0
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	18	2.0
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB1	7	2.0
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB2	7	2.0
(1,1616)	1:15:A:ALA:H	1:15:A:ALA:HB3	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	1	2.0
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	1	2.0
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	1	2.0
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	5	2.0
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	9	2.0
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	9	2.0
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	9	2.0
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	9	2.0
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	1	2.0
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	6	2.0
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	1	2.0
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	3	2.0
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	14	2.0
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	17	2.0
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	18	2.0
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	4	2.0
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	10	2.0
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	12	2.0
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	1	2.0
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	1	2.0
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	1	2.0
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	1	2.0
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	17	2.0
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	17	2.0
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	17	2.0
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	9	2.0
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	9	2.0
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	9	2.0
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	9	2.0
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	9	2.0
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	9	2.0
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	10	2.0
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	10	2.0
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	10	2.0
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	5	2.0
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	5	2.0
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	5	2.0
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	17	2.0
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	17	2.0
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	15	2.0
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	15	2.0
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	1	2.0
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	1	2.0
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	1	2.0
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	9	2.0
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	9	2.0
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	9	2.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	16	2.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	16	2.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	16	2.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	16	2.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	16	2.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	16	2.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	16	2.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	16	2.0
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	14	2.0
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	14	2.0
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	14	2.0
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	14	2.0
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	14	2.0
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	14	2.0
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	14	2.0
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	14	2.0
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	14	2.0
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	18	2.0
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	18	2.0
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	7	2.0
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	7	2.0
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	7	2.0
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	20	2.0
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	20	2.0
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	20	2.0
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	2	2.0
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	2	2.0
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	14	2.0
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	14	2.0
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	6	2.0
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	6	2.0
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	18	2.0
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	18	2.0
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	5	2.0
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	7	2.0
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	7	2.0
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	15	2.0
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	18	2.0
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	18	2.0
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	18	2.0
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	8	2.0
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	8	2.0
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	7	2.0
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	7	2.0
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	7	2.0
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	7	2.0
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	7	2.0
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	7	2.0
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	8	2.0
(1,203)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	8	2.0
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	8	2.0
(1,203)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	8	2.0
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	8	2.0
(1,203)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	8	2.0
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	20	2.0
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	20	2.0
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	20	2.0
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	20	2.0
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	20	2.0
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	20	2.0
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	7	2.0
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	7	2.0
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	7	2.0
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	18	2.0
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	18	2.0
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	18	2.0
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	3	2.0
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	15	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	4	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	4	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	4	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	8	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	8	2.0
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	8	2.0
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	5	2.0
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	5	2.0
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	5	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	5	2.0
(1,35)	1:173:A:ASP:H	1:178:A:TRP:HZ2	16	2.0
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	19	2.0
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	19	2.0
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	10	2.0
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	10	2.0
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	1	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	1	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	1	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	18	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	18	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	18	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	8	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	8	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	8	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	8	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	8	1.99
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	8	1.99
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	10	1.99
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	10	1.99
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	10	1.99
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	10	1.99
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	10	1.99
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	10	1.99
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	17	1.99
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	17	1.99
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	17	1.99
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	17	1.99
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	17	1.99
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	17	1.99
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	8	1.99
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	8	1.99
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	8	1.99
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	8	1.99
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	8	1.99
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	8	1.99
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	8	1.99
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	8	1.99
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	8	1.99
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	12	1.99
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	12	1.99
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	12	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	12	1.99
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	12	1.99
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	12	1.99
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	13	1.99
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	13	1.99
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	13	1.99
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	17	1.99
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	17	1.99
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	17	1.99
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	17	1.99
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	17	1.99
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	17	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	7	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	7	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	7	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	7	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	7	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	7	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	17	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	17	1.99
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	17	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	17	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	17	1.99
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	17	1.99
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	8	1.99
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	8	1.99
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	8	1.99
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	8	1.99
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	8	1.99
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	8	1.99
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	8	1.99
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	8	1.99
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	8	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	19	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	19	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	19	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	19	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	19	1.99
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	19	1.99
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	19	1.99
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	19	1.99
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	19	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	19	1.99
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	19	1.99
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	19	1.99
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	19	1.99
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	13	1.99
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	13	1.99
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	13	1.99
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	13	1.99
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	13	1.99
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	13	1.99
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	13	1.99
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	13	1.99
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	13	1.99
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	13	1.99
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	13	1.99
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	13	1.99
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD11	19	1.99
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD12	19	1.99
(1,1922)	1:120:A:ILE:HD11	1:122:A:LEU:HD13	19	1.99
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD11	19	1.99
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD12	19	1.99
(1,1922)	1:120:A:ILE:HD12	1:122:A:LEU:HD13	19	1.99
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD11	19	1.99
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD12	19	1.99
(1,1922)	1:120:A:ILE:HD13	1:122:A:LEU:HD13	19	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	5	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	20	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	20	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	20	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	20	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	20	1.99
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	20	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	10	1.99
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	10	1.99
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	10	1.99
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	10	1.99
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	10	1.99
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	10	1.99
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	10	1.99
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	10	1.99
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	10	1.99
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	7	1.99
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	7	1.99
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	7	1.99
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	7	1.99
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	7	1.99
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	7	1.99
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	1	1.99
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	1	1.99
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	1	1.99
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	1	1.99
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	1	1.99
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	1	1.99
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	16	1.99
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	16	1.99
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	16	1.99
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	12	1.99
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	17	1.99
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	17	1.99
(1,1650)	1:29:A:THR:H	1:30:A:LYS:H	16	1.99
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	4	1.99
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	20	1.99
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	20	1.99
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	20	1.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	2	1.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	2	1.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	2	1.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	2	1.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	6	1.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	6	1.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	6	1.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	6	1.99
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	4	1.99
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	7	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	8	1.99
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	14	1.99
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	15	1.99
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	1	1.99
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	1	1.99
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	1	1.99
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	1	1.99
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	2	1.99
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	5	1.99
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	7	1.99
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	9	1.99
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	20	1.99
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	3	1.99
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	3	1.99
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	3	1.99
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	3	1.99
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	17	1.99
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	17	1.99
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	17	1.99
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	17	1.99
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	6	1.99
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	6	1.99
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	18	1.99
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	18	1.99
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	4	1.99
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	4	1.99
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	8	1.99
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	11	1.99
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	11	1.99
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	6	1.99
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	6	1.99
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	1	1.99
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	3	1.99
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	2	1.99
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	2	1.99
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	2	1.99
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	2	1.99
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	2	1.99
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	2	1.99
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	18	1.99
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	18	1.99
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	1	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	1	1.99
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	19	1.99
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	19	1.99
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	16	1.99
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	16	1.99
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	16	1.99
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	16	1.99
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	16	1.99
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	16	1.99
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	16	1.99
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	16	1.99
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	16	1.99
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	16	1.99
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	16	1.99
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	16	1.99
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	13	1.99
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	4	1.99
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	4	1.99
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	4	1.99
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	10	1.99
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	10	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	4	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	4	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	4	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	10	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	10	1.99
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	10	1.99
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	1	1.99
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	1	1.99
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	8	1.99
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	8	1.99
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	8	1.99
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	8	1.99
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	8	1.99
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	8	1.99
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	16	1.99
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	16	1.99
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	16	1.99
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	16	1.99
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	16	1.99
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	16	1.99
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	8	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	8	1.99
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	15	1.99
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	15	1.99
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	15	1.99
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	15	1.99
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	15	1.99
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	15	1.99
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	15	1.99
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	15	1.99
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	15	1.99
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	16	1.99
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	16	1.99
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	4	1.99
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	4	1.99
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	4	1.99
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	13	1.99
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	19	1.99
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	4	1.99
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	4	1.99
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	16	1.99
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	16	1.99
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	15	1.99
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	17	1.99
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	17	1.99
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	17	1.99
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	10	1.99
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	17	1.99
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	11	1.99
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	11	1.99
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	11	1.99
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	5	1.99
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	5	1.99
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	5	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	1	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	1	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	1	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	1	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	1	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	1	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	2	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	2	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	2	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	2	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	2	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	2	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	5	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	5	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	5	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	5	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	5	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	5	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	10	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	10	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	10	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	10	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	10	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	10	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	11	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	11	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	11	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	11	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	11	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	11	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	14	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	14	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	14	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	14	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	14	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	14	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	16	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	16	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	16	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	16	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	16	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	16	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	18	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	18	1.99
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	18	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	18	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	18	1.99
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	18	1.99
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	17	1.99
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	17	1.99
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	17	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	17	1.99
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	17	1.99
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	17	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	4	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	4	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	4	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	5	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	5	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	5	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	14	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	14	1.99
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	14	1.99
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	12	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	11	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	11	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	11	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	15	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	15	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	15	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG21	16	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG22	16	1.99
(1,116)	1:120:A:ILE:HA	1:120:A:ILE:HG23	16	1.99
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	11	1.99
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	11	1.99
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	11	1.99
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	7	1.99
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	7	1.99
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	7	1.99
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	7	1.99
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	12	1.99
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	12	1.99
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	12	1.99
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	12	1.99
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	12	1.99
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	12	1.99
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	12	1.99
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	14	1.99
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	14	1.99
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	14	1.99
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	14	1.99
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	15	1.99
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	15	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	1	1.99
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	1	1.99
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	1	1.99
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	2	1.99
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	2	1.99
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	2	1.99
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	2	1.99
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	6	1.99
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	6	1.99
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	4	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	4	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	4	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	5	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	5	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	5	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	16	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	16	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	16	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	16	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	16	1.98
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	16	1.98
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.98
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.98
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	18	1.98
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	18	1.98
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	18	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	5	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	5	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	5	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	5	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	5	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	5	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	5	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	5	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	5	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	14	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	14	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	14	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	14	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	14	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	14	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	14	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	14	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	14	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	18	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	18	1.98
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	18	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	18	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	18	1.98
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	18	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	18	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	18	1.98
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	18	1.98
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	1	1.98
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	1	1.98
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	1	1.98
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	1	1.98
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	1	1.98
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	1	1.98
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	18	1.98
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	18	1.98
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	18	1.98
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	18	1.98
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	18	1.98
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	18	1.98
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	15	1.98
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	15	1.98
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	15	1.98
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	15	1.98
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	15	1.98
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	15	1.98
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	1	1.98
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	1	1.98
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	1	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	1	1.98
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	1	1.98
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	1	1.98
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.98
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.98
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	2	1.98
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	2	1.98
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	2	1.98
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	2	1.98
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	2	1.98
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	2	1.98
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	18	1.98
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	18	1.98
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	18	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	14	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	14	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	14	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	14	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	14	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	14	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	14	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	20	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	20	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	20	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	20	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	20	1.98
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	20	1.98
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	20	1.98
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	20	1.98
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	2	1.98
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	2	1.98
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	2	1.98
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	9	1.98
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	9	1.98
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	9	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	10	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	15	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	16	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	16	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	16	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	16	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	16	1.98
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	16	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	11	1.98
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	11	1.98
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	11	1.98
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	13	1.98
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	13	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	15	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	19	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	19	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	19	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	19	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	19	1.98
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	19	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	9	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	9	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	9	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	9	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	9	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	9	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	9	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	9	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	9	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	12	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	12	1.98
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	12	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	12	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	12	1.98
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	12	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	12	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	12	1.98
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	12	1.98
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	10	1.98
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	10	1.98
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	10	1.98
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	10	1.98
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	10	1.98
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	10	1.98
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	12	1.98
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	12	1.98
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	12	1.98
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	12	1.98
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	12	1.98
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	12	1.98
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	12	1.98
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	12	1.98
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	12	1.98
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	19	1.98
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	19	1.98
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	19	1.98
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	19	1.98
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	19	1.98
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	19	1.98
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	19	1.98
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	19	1.98
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	19	1.98
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	20	1.98
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	20	1.98
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	20	1.98
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	20	1.98
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	20	1.98
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	20	1.98
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	20	1.98
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	20	1.98
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	20	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	8	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	8	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	8	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	9	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	9	1.98
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	9	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	8	1.98
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	8	1.98
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	8	1.98
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	7	1.98
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	7	1.98
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	7	1.98
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	7	1.98
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	7	1.98
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	7	1.98
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	7	1.98
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	7	1.98
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	7	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD11	11	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD12	11	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD13	11	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD21	11	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD22	11	1.98
(1,1832)	1:112:A:ALA:HB1	1:189:A:LEU:HD23	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD11	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD12	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD13	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD21	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD22	11	1.98
(1,1832)	1:112:A:ALA:HB2	1:189:A:LEU:HD23	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD11	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD12	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD13	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD21	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD22	11	1.98
(1,1832)	1:112:A:ALA:HB3	1:189:A:LEU:HD23	11	1.98
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	4	1.98
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	4	1.98
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	4	1.98
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	15	1.98
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	3	1.98
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	3	1.98
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	3	1.98
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	6	1.98
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	12	1.98
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	8	1.98
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	8	1.98
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	8	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	8	1.98
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	1	1.98
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	1	1.98
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	7	1.98
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	9	1.98
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	15	1.98
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	19	1.98
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	20	1.98
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	20	1.98
(1,908)	1:34:A:SER:H	1:35:A:LEU:H	17	1.98
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	11	1.98
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	11	1.98
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	11	1.98
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	10	1.98
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	10	1.98
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	10	1.98
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	11	1.98
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	11	1.98
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	10	1.98
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	11	1.98
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	15	1.98
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	15	1.98
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	15	1.98
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	15	1.98
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	15	1.98
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	15	1.98
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	19	1.98
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	19	1.98
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	19	1.98
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	10	1.98
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	10	1.98
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	8	1.98
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	8	1.98
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	8	1.98
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	12	1.98
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	12	1.98
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	11	1.98
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	11	1.98
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	11	1.98
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	11	1.98
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	11	1.98
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	11	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	11	1.98
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	11	1.98
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	11	1.98
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	7	1.98
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	7	1.98
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	7	1.98
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	5	1.98
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	5	1.98
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	11	1.98
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	11	1.98
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	13	1.98
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	13	1.98
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	14	1.98
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	14	1.98
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	18	1.98
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	18	1.98
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	17	1.98
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	15	1.98
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	15	1.98
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	15	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	5	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	5	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	5	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	15	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	15	1.98
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	15	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	12	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	12	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	12	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	20	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	20	1.98
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	20	1.98
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	3	1.98
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	3	1.98
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	3	1.98
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	6	1.98
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	20	1.98
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	20	1.98
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	20	1.98
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	14	1.98
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	14	1.98
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	14	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	18	1.98
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	18	1.98
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	18	1.98
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	18	1.98
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	18	1.98
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	18	1.98
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	19	1.98
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	19	1.98
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	19	1.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	16	1.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	16	1.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	16	1.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	16	1.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	16	1.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	16	1.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	16	1.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	16	1.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	16	1.98
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	9	1.98
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	9	1.98
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	9	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	3	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	3	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	3	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	3	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	3	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	3	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	7	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	7	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	7	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	7	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	7	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	7	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	8	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	8	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	8	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	8	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	8	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	8	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	9	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	9	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	9	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	9	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	9	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	9	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	15	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	15	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	15	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	15	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	15	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	15	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	17	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	17	1.98
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	17	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	17	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	17	1.98
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	17	1.98
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.98
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.98
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.98
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	8	1.98
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	8	1.98
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	8	1.98
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	8	1.98
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	8	1.98
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	4	1.98
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	2	1.97
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	2	1.97
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	2	1.97
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	8	1.97
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	8	1.97
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	8	1.97
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	18	1.97
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	18	1.97
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	18	1.97
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	8	1.97
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	8	1.97
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	8	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.97
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.97
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.97
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.97
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.97
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.97
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	2	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	2	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	2	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	2	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	2	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	2	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	20	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	20	1.97
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	20	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.97
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.97
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	3	1.97
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	3	1.97
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	3	1.97
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	1	1.97
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	1	1.97
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	1	1.97
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	1	1.97
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	1	1.97
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	1	1.97
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	9	1.97
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	9	1.97
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	9	1.97
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	9	1.97
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	9	1.97
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	9	1.97
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	7	1.97
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	7	1.97
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	7	1.97
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	16	1.97
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	16	1.97
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	16	1.97
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	5	1.97
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	5	1.97
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	5	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	5	1.97
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	5	1.97
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	5	1.97
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	1	1.97
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	1	1.97
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	1	1.97
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	1	1.97
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	1	1.97
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	1	1.97
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	1	1.97
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	1	1.97
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	1	1.97
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	12	1.97
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	12	1.97
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	12	1.97
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	12	1.97
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	12	1.97
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	12	1.97
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	8	1.97
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	8	1.97
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	8	1.97
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	18	1.97
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	18	1.97
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	18	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	4	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	4	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	4	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	16	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	16	1.97
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	16	1.97
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	12	1.97
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	12	1.97
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	12	1.97
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	12	1.97
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	12	1.97
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	12	1.97
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	12	1.97
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	12	1.97
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	12	1.97
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	15	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	15	1.97
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	15	1.97
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	2	1.97
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	2	1.97
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	2	1.97
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	7	1.97
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG11	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG12	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG13	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG21	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG22	1:89:A:VAL:HA	8	1.97
(1,1951)	1:88:A:VAL:HG23	1:89:A:VAL:HA	8	1.97
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	14	1.97
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	14	1.97
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	14	1.97
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	14	1.97
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	14	1.97
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	14	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	12	1.97
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	12	1.97
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	12	1.97
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	11	1.97
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	11	1.97
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	11	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	7	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	7	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	7	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	7	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	7	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	7	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	11	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	11	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	11	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	11	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	11	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	11	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	18	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	18	1.97
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	18	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	18	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	18	1.97
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	18	1.97
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	9	1.97
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	9	1.97
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	9	1.97
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	9	1.97
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	9	1.97
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	9	1.97
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	9	1.97
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	9	1.97
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	9	1.97
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	5	1.97
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	5	1.97
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	5	1.97
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	5	1.97
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	5	1.97
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	5	1.97
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	5	1.97
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	5	1.97
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	5	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD21	10	1.97
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD22	10	1.97
(1,1880)	1:226:A:LEU:HA	1:226:A:LEU:HD23	10	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	1	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	1	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	1	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	5	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	5	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	5	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	17	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	17	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	17	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	19	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	19	1.97
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	19	1.97
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	14	1.97
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	14	1.97
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	14	1.97
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	14	1.97
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	14	1.97
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	14	1.97
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	14	1.97
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	14	1.97
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	14	1.97
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	5	1.97
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	5	1.97
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	8	1.97
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	16	1.97
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	8	1.97
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	11	1.97
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	15	1.97
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	15	1.97
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	1	1.97
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	1	1.97
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	1	1.97
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	2	1.97
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	2	1.97
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	2	1.97
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	1	1.97
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	3	1.97
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	3	1.97
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	3	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	7	1.97
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	7	1.97
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	7	1.97
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	7	1.97
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	5	1.97
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	5	1.97
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	11	1.97
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	11	1.97
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	5	1.97
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	17	1.97
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	18	1.97
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	5	1.97
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	5	1.97
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	12	1.97
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	12	1.97
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	5	1.97
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	5	1.97
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	5	1.97
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	5	1.97
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	5	1.97
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	5	1.97
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	2	1.97
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	2	1.97
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	2	1.97
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	2	1.97
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	2	1.97
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	2	1.97
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	13	1.97
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	13	1.97
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	13	1.97
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	13	1.97
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	13	1.97
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	13	1.97
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	13	1.97
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	13	1.97
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	13	1.97
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	1	1.97
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	1	1.97
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	1	1.97
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	19	1.97
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	19	1.97
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	19	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	8	1.97
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	14	1.97
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	14	1.97
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	14	1.97
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	14	1.97
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	14	1.97
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	14	1.97
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	13	1.97
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	16	1.97
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	4	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	4	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	4	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	15	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	15	1.97
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	15	1.97
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	8	1.97
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	8	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	6	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	6	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	6	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	13	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	13	1.97
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	13	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	6	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	6	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	6	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	12	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	12	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	12	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	16	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	16	1.97
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	16	1.97
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	8	1.97
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	8	1.97
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	8	1.97
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	8	1.97
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	8	1.97
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	8	1.97
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	8	1.97
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	8	1.97
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	8	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	7	1.97
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	9	1.97
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	9	1.97
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	9	1.97
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	20	1.97
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	20	1.97
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	20	1.97
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB2	10	1.97
(1,488)	1:88:A:VAL:HA	1:123:A:HIS:HB3	10	1.97
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	13	1.97
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	13	1.97
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	17	1.97
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	17	1.97
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	17	1.97
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	17	1.97
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	17	1.97
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	17	1.97
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	19	1.97
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	19	1.97
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	16	1.97
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	16	1.97
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	16	1.97
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	11	1.97
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	12	1.97
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	14	1.97
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	16	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	2	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	2	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	2	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	2	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	2	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	2	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	18	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	18	1.97
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	18	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	18	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	18	1.97
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	18	1.97
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	4	1.97
(1,319)	1:108:A:LEU:H	1:108:A:LEU:HB2	9	1.97
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	16	1.97
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	16	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	16	1.97
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	16	1.97
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	16	1.97
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	3	1.97
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	3	1.97
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	3	1.97
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	3	1.97
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	3	1.97
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	3	1.97
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	14	1.97
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	14	1.97
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	14	1.97
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	14	1.97
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	14	1.97
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	14	1.97
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	2	1.97
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	2	1.97
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	2	1.97
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	20	1.97
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	20	1.97
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	20	1.97
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	15	1.97
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	15	1.97
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	15	1.97
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	15	1.97
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	15	1.97
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	15	1.97
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	15	1.97
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	15	1.97
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	15	1.97
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	5	1.97
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	5	1.97
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	5	1.97
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	5	1.97
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	19	1.97
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	20	1.97
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	19	1.97
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	19	1.97
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	19	1.97
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	6	1.97
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	6	1.97
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	6	1.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	1	1.97
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	1	1.97
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	1	1.97
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	17	1.97
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	15	1.97
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	15	1.97
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	15	1.97
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	15	1.97
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	15	1.97
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	15	1.97
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	4	1.97
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	4	1.97
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	1	1.97
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	1	1.97
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	1	1.97
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	1	1.97
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	10	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	10	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	10	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	11	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	11	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	11	1.96
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.96
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.96
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	5	1.96
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	5	1.96
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	5	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	5	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	5	1.96
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	5	1.96
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	8	1.96
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	8	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	8	1.96
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	8	1.96
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	8	1.96
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	8	1.96
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	2	1.96
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	2	1.96
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	2	1.96
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	2	1.96
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	2	1.96
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	2	1.96
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	10	1.96
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	10	1.96
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	10	1.96
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	10	1.96
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	10	1.96
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	10	1.96
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	9	1.96
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	9	1.96
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	9	1.96
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.96
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.96
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	1	1.96
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	1	1.96
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	1	1.96
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	1	1.96
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	1	1.96
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	1	1.96
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	2	1.96
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	2	1.96
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	2	1.96
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	20	1.96
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	20	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	20	1.96
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	20	1.96
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	20	1.96
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	20	1.96
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	20	1.96
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	20	1.96
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	20	1.96
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	9	1.96
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	9	1.96
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	9	1.96
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	9	1.96
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	9	1.96
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	9	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	2	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	2	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	2	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	2	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	2	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	2	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	2	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	2	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	2	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	6	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	6	1.96
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	6	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	6	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	6	1.96
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	6	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	6	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	6	1.96
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	6	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	9	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	14	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	14	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	14	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	14	1.96
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	14	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	14	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	3	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	3	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	3	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	15	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	15	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	15	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	16	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	16	1.96
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	16	1.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	9	1.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	9	1.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	9	1.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	9	1.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	9	1.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	9	1.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	9	1.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	9	1.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	9	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	7	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	7	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	7	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	7	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	7	1.96
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	7	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	10	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	10	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	10	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	10	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	10	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	10	1.96
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	10	1.96
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	10	1.96
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	10	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	13	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	13	1.96
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	13	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	13	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	13	1.96
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	13	1.96
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	13	1.96
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	13	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	13	1.96
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	16	1.96
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	16	1.96
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	16	1.96
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	16	1.96
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	16	1.96
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	16	1.96
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	9	1.96
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	9	1.96
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	9	1.96
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	9	1.96
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	9	1.96
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	9	1.96
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	9	1.96
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	9	1.96
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	9	1.96
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	6	1.96
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	6	1.96
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	6	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	6	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	6	1.96
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	6	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	6	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	6	1.96
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	6	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	5	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	5	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	5	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	6	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	6	1.96
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	6	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	2	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	2	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	2	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	3	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	3	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	3	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	4	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	4	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	4	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	6	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	6	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	6	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	7	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	7	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	7	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	9	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	9	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	9	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	10	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	10	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	10	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	11	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	11	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	11	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	12	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	12	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	12	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	13	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	13	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	13	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	16	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	16	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	16	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	18	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	18	1.96
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	18	1.96
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	8	1.96
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	8	1.96
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	8	1.96
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	8	1.96
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	8	1.96
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	8	1.96
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	13	1.96
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	13	1.96
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	13	1.96
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	13	1.96
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	13	1.96
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	13	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	4	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	4	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	4	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	4	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	4	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	4	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	14	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	14	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	14	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	14	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	14	1.96
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	14	1.96
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	13	1.96
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	13	1.96
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	13	1.96
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	13	1.96
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	13	1.96
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	13	1.96
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	15	1.96
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	15	1.96
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	7	1.96
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	10	1.96
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	18	1.96
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	9	1.96
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	9	1.96
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	13	1.96
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	13	1.96
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	3	1.96
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	3	1.96
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	3	1.96
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	11	1.96
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	10	1.96
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	10	1.96
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	10	1.96
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	11	1.96
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	4	1.96
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	4	1.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	19	1.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	19	1.96
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	19	1.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	19	1.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	19	1.96
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	19	1.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	19	1.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	19	1.96
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	19	1.96
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	19	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	19	1.96
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	19	1.96
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	19	1.96
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	19	1.96
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	19	1.96
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	2	1.96
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	2	1.96
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	2	1.96
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	2	1.96
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	2	1.96
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	2	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	2	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	4	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	9	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	14	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	15	1.96
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	18	1.96
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	14	1.96
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	14	1.96
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	14	1.96
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	3	1.96
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	3	1.96
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	3	1.96
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	3	1.96
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	3	1.96
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	3	1.96
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	12	1.96
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	12	1.96
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	12	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	3	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	3	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	3	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	12	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	12	1.96
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	12	1.96
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	3	1.96
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	3	1.96
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	17	1.96
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	1	1.96
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	1	1.96
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	1	1.96
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	8	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	8	1.96
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	10	1.96
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	10	1.96
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	10	1.96
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	10	1.96
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	10	1.96
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	10	1.96
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	10	1.96
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	10	1.96
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	18	1.96
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	18	1.96
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	18	1.96
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	18	1.96
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	18	1.96
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	18	1.96
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	2	1.96
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	2	1.96
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	2	1.96
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	10	1.96
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	11	1.96
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	11	1.96
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	11	1.96
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	11	1.96
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD11	18	1.96
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD12	18	1.96
(1,347)	1:234:A:ILE:HB	1:234:A:ILE:HD13	18	1.96
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	12	1.96
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	12	1.96
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	12	1.96
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	12	1.96
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	12	1.96
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	12	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	12	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	12	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	12	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	13	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	13	1.96
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	13	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	8	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	8	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	8	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	8	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	8	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	8	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	10	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	10	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	10	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	10	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	10	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	10	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	12	1.96
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	12	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	12	1.96
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	12	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	12	1.96
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	12	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	6	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	6	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	6	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	13	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	13	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	13	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	15	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	15	1.96
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	15	1.96
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	19	1.96
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	19	1.96
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	19	1.96
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	19	1.96
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	19	1.96
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	19	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	2	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	2	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	2	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	13	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	13	1.96
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	13	1.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB1	7	1.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB2	7	1.96
(1,131)	1:205:A:SER:HB2	1:210:A:ALA:HB3	7	1.96
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	8	1.96
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	8	1.96
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	8	1.96
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	11	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	11	1.96
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	11	1.96
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	15	1.96
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	15	1.96
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	15	1.96
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	19	1.96
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	19	1.96
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	19	1.96
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	19	1.96
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	2	1.96
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	2	1.96
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	14	1.95
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	14	1.95
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	14	1.95
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.95
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.95
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	16	1.95
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	16	1.95
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	16	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	12	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	12	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	12	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	12	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	12	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	12	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	15	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	15	1.95
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	15	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	15	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	15	1.95
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	15	1.95
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	14	1.95
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	14	1.95
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	19	1.95
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	19	1.95
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	19	1.95
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	19	1.95
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	19	1.95
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	19	1.95
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	19	1.95
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	19	1.95
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	19	1.95
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	9	1.95
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	9	1.95
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	9	1.95
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	9	1.95
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	9	1.95
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	9	1.95
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	8	1.95
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	8	1.95
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	8	1.95
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	8	1.95
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	8	1.95
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	8	1.95
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	4	1.95
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	4	1.95
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	4	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	3	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	3	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.95
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.95
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.95
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	14	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	14	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	14	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	14	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	14	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	14	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	20	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	20	1.95
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	20	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	20	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	20	1.95
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	20	1.95
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	16	1.95
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	16	1.95
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	16	1.95
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	16	1.95
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	16	1.95
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	16	1.95
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	16	1.95
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	16	1.95
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	16	1.95
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	20	1.95
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	20	1.95
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	20	1.95
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	20	1.95
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	20	1.95
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	20	1.95
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	14	1.95
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	14	1.95
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	14	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	14	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	14	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	14	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	14	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	14	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	14	1.95
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	20	1.95
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	20	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	20	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	20	1.95
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	20	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	20	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	20	1.95
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	20	1.95
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	10	1.95
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	10	1.95
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	10	1.95
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	10	1.95
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	10	1.95
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	10	1.95
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	10	1.95
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	10	1.95
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	10	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	12	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	17	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	17	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	17	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	17	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	17	1.95
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	17	1.95
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	7	1.95
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	7	1.95
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	7	1.95
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	9	1.95
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	9	1.95
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	9	1.95
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	9	1.95
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	9	1.95
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	9	1.95
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	9	1.95
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	9	1.95
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	9	1.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	14	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	14	1.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	14	1.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	14	1.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	14	1.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	14	1.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	14	1.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	14	1.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	14	1.95
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	19	1.95
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	19	1.95
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	19	1.95
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	19	1.95
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	19	1.95
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	19	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	6	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	8	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	13	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	16	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	16	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	16	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	16	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	16	1.95
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	16	1.95
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	9	1.95
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	9	1.95
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	9	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	2	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	2	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	2	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	2	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	2	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	2	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	4	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	4	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	4	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	4	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	4	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	4	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	15	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	15	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	15	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	15	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	15	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	15	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	20	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	20	1.95
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	20	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	20	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	20	1.95
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	20	1.95
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	17	1.95
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	17	1.95
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	17	1.95
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	17	1.95
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	17	1.95
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	17	1.95
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	17	1.95
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	17	1.95
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	17	1.95
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	15	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	15	1.95
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	15	1.95
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	15	1.95
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	1	1.95
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	1	1.95
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	1	1.95
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.95
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.95
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	18	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	18	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	18	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	18	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	18	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	18	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	20	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	20	1.95
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	20	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.95
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.95
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	13	1.95
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	13	1.95
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	13	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	13	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	13	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	13	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	13	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	13	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	13	1.95
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	19	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	19	1.95
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	19	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	19	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	19	1.95
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	19	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	19	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	19	1.95
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	19	1.95
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	14	1.95
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	14	1.95
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	14	1.95
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	14	1.95
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	14	1.95
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	14	1.95
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	14	1.95
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	14	1.95
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	14	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	15	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	16	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	16	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	16	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	16	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	16	1.95
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	16	1.95
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	6	1.95
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	6	1.95
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	6	1.95
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	4	1.95
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	1	1.95
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	4	1.95
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	20	1.95
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	9	1.95
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	9	1.95
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	9	1.95
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	1	1.95
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	2	1.95
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	5	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	16	1.95
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	12	1.95
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	12	1.95
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	12	1.95
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	12	1.95
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	8	1.95
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	8	1.95
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	10	1.95
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	10	1.95
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	13	1.95
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	3	1.95
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	3	1.95
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	8	1.95
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	8	1.95
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	16	1.95
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	16	1.95
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	16	1.95
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	16	1.95
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	16	1.95
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	16	1.95
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	3	1.95
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	3	1.95
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	3	1.95
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	2	1.95
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	2	1.95
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	2	1.95
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB2	20	1.95
(1,765)	1:120:A:ILE:HD11	1:122:A:LEU:HB3	20	1.95
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB2	20	1.95
(1,765)	1:120:A:ILE:HD12	1:122:A:LEU:HB3	20	1.95
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB2	20	1.95
(1,765)	1:120:A:ILE:HD13	1:122:A:LEU:HB3	20	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	1	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	3	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	5	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	6	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	7	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	12	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	17	1.95
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	19	1.95
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	11	1.95
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	11	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	11	1.95
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	11	1.95
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	11	1.95
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	11	1.95
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	16	1.95
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	16	1.95
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	16	1.95
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	9	1.95
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	9	1.95
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	4	1.95
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	4	1.95
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	4	1.95
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	4	1.95
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	4	1.95
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	4	1.95
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	4	1.95
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	4	1.95
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	4	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	2	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	2	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	2	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	13	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	13	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	13	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	17	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	17	1.95
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	17	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	12	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	12	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	12	1.95
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	12	1.95
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	12	1.95
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	12	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	12	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	12	1.95
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	12	1.95
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	1	1.95
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	1	1.95
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	1	1.95
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	1	1.95
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	1	1.95
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	6	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	6	1.95
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	6	1.95
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	2	1.95
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	8	1.95
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	15	1.95
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	15	1.95
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG2	15	1.95
(1,355)	1:18:A:TYR:HA	1:21:A:ARG:HG3	15	1.95
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	1	1.95
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	1	1.95
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	1	1.95
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	7	1.95
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	7	1.95
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	4	1.95
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	4	1.95
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	4	1.95
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	4	1.95
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	4	1.95
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	4	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	3	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	3	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	3	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	20	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	20	1.95
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	20	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	4	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	4	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	4	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	4	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	4	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	4	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	6	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	6	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	6	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	6	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	6	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	6	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE1	13	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE2	13	1.95
(1,163)	1:135:A:MET:HG2	1:135:A:MET:HE3	13	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE1	13	1.95
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE2	13	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:135:A:MET:HG3	1:135:A:MET:HE3	13	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	3	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	3	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	3	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	20	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	20	1.95
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	20	1.95
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	6	1.95
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	11	1.95
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	13	1.95
(1,121)	1:171:A:HIS:HA	1:171:A:HIS:HD2	15	1.95
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	7	1.95
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	7	1.95
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	7	1.95
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	18	1.95
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	18	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	3	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	3	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	3	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	6	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	6	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	6	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	10	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	10	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	10	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	14	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	14	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	14	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	16	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	16	1.95
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	16	1.95
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	17	1.95
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	17	1.95
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	14	1.95
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	14	1.95
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	19	1.95
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	19	1.95
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	17	1.94
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	17	1.94
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	17	1.94
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	2	1.94
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	2	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	2	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	9	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	9	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	9	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	9	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	9	1.94
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	9	1.94
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.94
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.94
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	14	1.94
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	14	1.94
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	14	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	1.94
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	1.94
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	17	1.94
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	17	1.94
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	17	1.94
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	15	1.94
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	15	1.94
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	15	1.94
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	15	1.94
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	15	1.94
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	15	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	1	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	1	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	1	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	1	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	1	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	1	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	2	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	2	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	2	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	2	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	2	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	2	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	3	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	3	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	3	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	3	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	3	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	3	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	5	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	5	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	5	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	5	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	5	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	5	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	6	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	6	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	6	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	6	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	6	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	6	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	7	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	7	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	7	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	7	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	7	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	7	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	9	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	9	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	9	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	9	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	9	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	9	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	12	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	12	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	12	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	12	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	12	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	12	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	13	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	13	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	13	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	13	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	13	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	13	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	16	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	16	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	16	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	16	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	16	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	16	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	17	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	17	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	17	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	17	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	17	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	17	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	18	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	18	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	18	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	18	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	18	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	18	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	19	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	19	1.94
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	19	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	19	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	19	1.94
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	19	1.94
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	6	1.94
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	6	1.94
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	6	1.94
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	11	1.94
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	11	1.94
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	11	1.94
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	12	1.94
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	12	1.94
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	12	1.94
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.94
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.94
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	13	1.94
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	13	1.94
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	13	1.94
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	13	1.94
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	13	1.94
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	13	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	2	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	2	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	2	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	2	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	2	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	2	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	2	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	2	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	2	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	6	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	6	1.94
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	6	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	6	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	6	1.94
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	6	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	6	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	6	1.94
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	6	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	6	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	6	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	6	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	6	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	6	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	6	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	6	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	6	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	6	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	17	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	17	1.94
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	17	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	17	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	17	1.94
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	17	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	17	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	17	1.94
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	17	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	1.94
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	1.94
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	2	1.94
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	2	1.94
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	2	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	5	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	5	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	5	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	11	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	11	1.94
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	11	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	12	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	12	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	12	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	19	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	19	1.94
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	19	1.94
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	14	1.94
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	14	1.94
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	14	1.94
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	14	1.94
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	14	1.94
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	14	1.94
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	14	1.94
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	14	1.94
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	14	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	17	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	17	1.94
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	17	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	7	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	7	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	7	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	7	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	7	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	7	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	16	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	16	1.94
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	16	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	16	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	16	1.94
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	16	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	14	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	14	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	14	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	14	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	14	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	17	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	17	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	17	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	17	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	17	1.94
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	17	1.94
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	2	1.94
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	2	1.94
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	2	1.94
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	2	1.94
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	2	1.94
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	2	1.94
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	2	1.94
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	2	1.94
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	2	1.94
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	6	1.94
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	6	1.94
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	6	1.94
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	6	1.94
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	6	1.94
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	6	1.94
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	18	1.94
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	18	1.94
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	18	1.94
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	18	1.94
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	18	1.94
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	18	1.94
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	18	1.94
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	18	1.94
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	18	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	3	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	3	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	3	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	13	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	13	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	13	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	20	1.94
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	20	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	1.94
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	14	1.94
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	14	1.94
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	14	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	4	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	4	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	4	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	4	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	4	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	4	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	4	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	4	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	4	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	10	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	10	1.94
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	10	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	10	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	10	1.94
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	10	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	10	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	10	1.94
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	10	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	11	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	11	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	11	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	11	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	11	1.94
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	11	1.94
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	6	1.94
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	6	1.94
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	18	1.94
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	18	1.94
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	18	1.94
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	20	1.94
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	20	1.94
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	20	1.94
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	10	1.94
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	10	1.94
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	6	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	3	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	4	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	7	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	9	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	10	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	11	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	12	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	13	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	14	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	18	1.94
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	19	1.94
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	2	1.94
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	2	1.94
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	2	1.94
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	2	1.94
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	8	1.94
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	8	1.94
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	8	1.94
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	5	1.94
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	5	1.94
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	5	1.94
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	1	1.94
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	6	1.94
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	11	1.94
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	11	1.94
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	6	1.94
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	6	1.94
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	19	1.94
(1,844)	1:213:A:TYR:HD1	1:214:A:PRO:HD3	19	1.94
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	19	1.94
(1,844)	1:213:A:TYR:HD2	1:214:A:PRO:HD3	19	1.94
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	15	1.94
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	15	1.94
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	15	1.94
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	15	1.94
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	15	1.94
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	15	1.94
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	17	1.94
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	17	1.94
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	17	1.94
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	17	1.94
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	17	1.94
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	17	1.94
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	9	1.94
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	9	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	14	1.94
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	14	1.94
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	15	1.94
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	15	1.94
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	16	1.94
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	16	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	1	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	1	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	1	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	11	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	11	1.94
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	11	1.94
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	7	1.94
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	7	1.94
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	10	1.94
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	10	1.94
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	10	1.94
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	10	1.94
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	10	1.94
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	10	1.94
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	10	1.94
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	10	1.94
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	10	1.94
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	9	1.94
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	9	1.94
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	9	1.94
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	8	1.94
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	8	1.94
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	8	1.94
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	6	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	7	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	7	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	7	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	8	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	8	1.94
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	8	1.94
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	20	1.94
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	20	1.94
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	19	1.94
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	19	1.94
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	19	1.94
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	2	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	2	1.94
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	2	1.94
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	16	1.94
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	16	1.94
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	16	1.94
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	18	1.94
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	18	1.94
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	18	1.94
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	4	1.94
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	4	1.94
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	4	1.94
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	4	1.94
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	4	1.94
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	4	1.94
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	15	1.94
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	15	1.94
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	15	1.94
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	11	1.94
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	5	1.94
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	5	1.94
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	5	1.94
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	13	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	5	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	5	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	5	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	5	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	5	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	5	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	15	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	15	1.94
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	15	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	15	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	15	1.94
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	15	1.94
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	12	1.94
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	12	1.94
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	2	1.94
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	2	1.94
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	2	1.94
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	13	1.94
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	13	1.94
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	13	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	13	1.94
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	13	1.94
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	13	1.94
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	13	1.94
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	13	1.94
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	13	1.94
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	16	1.94
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	16	1.94
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	16	1.94
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	10	1.94
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	10	1.94
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	10	1.94
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	5	1.94
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	2	1.94
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	2	1.94
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	2	1.94
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	2	1.94
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	13	1.94
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	13	1.94
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	13	1.94
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	19	1.94
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	19	1.94
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	19	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	1	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	1	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	1	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	4	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	4	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	4	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	7	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	7	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	7	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	9	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	9	1.94
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	9	1.94
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	9	1.94
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	9	1.94
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	9	1.94
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	5	1.93
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	5	1.93
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	5	1.93
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	8	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	8	1.93
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	8	1.93
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	20	1.93
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	20	1.93
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	20	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	10	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	14	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	14	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	14	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	14	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	14	1.93
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	14	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.93
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.93
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	11	1.93
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	11	1.93
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	11	1.93
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	11	1.93
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	11	1.93
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	11	1.93
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	6	1.93
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	6	1.93
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	6	1.93
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	6	1.93
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	6	1.93
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	6	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	7	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	7	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	7	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	7	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	7	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	7	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	7	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	7	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	7	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	11	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	11	1.93
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	11	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	11	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	11	1.93
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	11	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	11	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	11	1.93
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	9	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	9	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	9	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	9	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	9	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	9	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	11	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	11	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	16	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	16	1.93
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	16	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	16	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	16	1.93
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	16	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	4	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	4	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	4	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	4	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	4	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	4	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	10	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	10	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	10	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	10	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	10	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	10	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	11	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	11	1.93
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	11	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	11	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	11	1.93
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	11	1.93
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	1	1.93
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	1	1.93
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	1	1.93
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	14	1.93
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	14	1.93
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	14	1.93
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	19	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	19	1.93
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	19	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	13	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	13	1.93
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	13	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.93
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.93
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	13	1.93
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	13	1.93
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	13	1.93
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	13	1.93
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	13	1.93
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	13	1.93
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	13	1.93
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	13	1.93
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	13	1.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	6	1.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	6	1.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	6	1.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	6	1.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	6	1.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	6	1.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	6	1.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	6	1.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	6	1.93
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	2	1.93
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	2	1.93
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	2	1.93
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	2	1.93
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	2	1.93
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	2	1.93
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	20	1.93
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	20	1.93
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	20	1.93
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	3	1.93
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	3	1.93
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	3	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	3	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	3	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	3	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	3	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	3	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	3	1.93
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	9	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	9	1.93
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	9	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	9	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	9	1.93
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	9	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	9	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	9	1.93
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	9	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	7	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	7	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	7	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	7	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	7	1.93
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	7	1.93
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	6	1.93
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	6	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	6	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	6	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	6	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	13	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	13	1.93
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	13	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	4	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	11	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	11	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	11	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	11	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	11	1.93
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	11	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	14	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	14	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	14	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	14	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	14	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	14	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	14	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	14	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	14	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	16	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	16	1.93
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	16	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	16	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	16	1.93
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	16	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	16	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	16	1.93
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	16	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	12	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	12	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	12	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	12	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	12	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	12	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	14	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	14	1.93
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	14	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	14	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	14	1.93
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	14	1.93
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	18	1.93
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	18	1.93
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	18	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	12	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	12	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	12	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	12	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	12	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	12	1.93
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	12	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	12	1.93
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	12	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	14	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	14	1.93
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	14	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	14	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	14	1.93
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	14	1.93
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	14	1.93
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	14	1.93
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	14	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	7	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	7	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	7	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	7	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	7	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	7	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	7	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	7	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	7	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	14	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	14	1.93
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	14	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	14	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	14	1.93
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	14	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	14	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	14	1.93
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	14	1.93
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	6	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	6	1.93
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	6	1.93
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	6	1.93
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	18	1.93
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	18	1.93
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	18	1.93
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	18	1.93
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	18	1.93
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	18	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	11	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	11	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	11	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	17	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	17	1.93
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	17	1.93
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	8	1.93
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	8	1.93
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	8	1.93
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	1	1.93
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	1	1.93
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	1	1.93
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	1	1.93
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	1	1.93
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	1	1.93
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	1	1.93
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	1	1.93
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	1	1.93
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	7	1.93
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	17	1.93
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	12	1.93
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	20	1.93
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	6	1.93
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	15	1.93
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	17	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	6	1.93
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	6	1.93
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	6	1.93
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	6	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	5	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	5	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	5	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	5	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	8	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	8	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	8	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	8	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	14	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	14	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	14	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	14	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	18	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	18	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	18	1.93
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	18	1.93
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	1	1.93
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	2	1.93
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	12	1.93
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	12	1.93
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	19	1.93
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	19	1.93
(1,746)	1:113:A:LEU:HB3	1:114:A:ASN:H	8	1.93
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	9	1.93
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	9	1.93
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	9	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	17	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	17	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	17	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	19	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	19	1.93
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	19	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	12	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	12	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	12	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	12	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	12	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	12	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	12	1.93
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	12	1.93
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	12	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	15	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	15	1.93
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	15	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	15	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	15	1.93
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	15	1.93
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	15	1.93
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	15	1.93
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	15	1.93
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	12	1.93
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	6	1.93
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	6	1.93
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	6	1.93
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	4	1.93
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	4	1.93
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	4	1.93
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	7	1.93
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	7	1.93
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	7	1.93
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	16	1.93
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	16	1.93
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	16	1.93
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	16	1.93
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	1	1.93
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	1	1.93
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	1	1.93
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	10	1.93
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	10	1.93
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	10	1.93
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	16	1.93
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	4	1.93
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	4	1.93
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	4	1.93
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	2	1.93
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	2	1.93
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	20	1.93
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	20	1.93
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	7	1.93
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	7	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	7	1.93
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	8	1.93
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	8	1.93
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	8	1.93
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	16	1.93
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	16	1.93
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	16	1.93
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	19	1.93
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	19	1.93
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	19	1.93
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	13	1.93
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	13	1.93
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	13	1.93
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	20	1.93
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	20	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	2	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	2	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	2	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	14	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	14	1.93
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	14	1.93
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	1	1.93
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	1	1.93
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	1	1.93
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	17	1.93
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	17	1.93
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	17	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	14	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	14	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	14	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	20	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	20	1.93
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	20	1.93
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	3	1.93
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	3	1.93
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	3	1.93
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	3	1.93
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	2	1.93
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	2	1.93
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	2	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	5	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	5	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	5	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	17	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	17	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	17	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	20	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	20	1.93
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	20	1.93
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	15	1.93
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	15	1.93
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	15	1.93
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	15	1.93
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	7	1.93
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	7	1.93
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	7	1.93
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	7	1.93
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	7	1.93
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	7	1.93
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	15	1.93
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	15	1.93
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	15	1.93
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	15	1.93
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	3	1.93
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	3	1.93
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	13	1.93
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	13	1.93
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.92
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.92
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.92
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	13	1.92
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	13	1.92
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	13	1.92
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	13	1.92
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	13	1.92
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	13	1.92
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	17	1.92
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	17	1.92
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	17	1.92
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	17	1.92
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	17	1.92
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	17	1.92
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	17	1.92
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	17	1.92
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	17	1.92
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	17	1.92
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	17	1.92
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	7	1.92
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	7	1.92
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	7	1.92
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	7	1.92
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	7	1.92
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	7	1.92
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	20	1.92
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	20	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	20	1.92
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.92
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.92
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.92
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.92
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.92
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	4	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	4	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	4	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	5	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	5	1.92
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	5	1.92
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	6	1.92
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	6	1.92
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	6	1.92
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	6	1.92
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	6	1.92
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	6	1.92
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	16	1.92
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	16	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	16	1.92
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	16	1.92
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	16	1.92
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	16	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	4	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	4	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	4	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	4	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	4	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	4	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	4	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	4	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	4	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	5	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	5	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	5	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	5	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	5	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	5	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	5	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	5	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	5	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	13	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	13	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	13	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	13	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	13	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	13	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	13	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	13	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	13	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	15	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	15	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	15	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	15	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	15	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	15	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	15	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	15	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	15	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	18	1.92
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	18	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	18	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	18	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	18	1.92
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	18	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	18	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	18	1.92
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	18	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	10	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	10	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	10	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	15	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	15	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	15	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	20	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	20	1.92
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	20	1.92
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	3	1.92
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	3	1.92
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	3	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	1	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	1	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	1	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	4	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	4	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	4	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	9	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	9	1.92
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	9	1.92
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	4	1.92
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	4	1.92
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	4	1.92
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	4	1.92
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	4	1.92
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	4	1.92
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	4	1.92
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	4	1.92
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	4	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	4	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	4	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	4	1.92
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	4	1.92
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	4	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	4	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	4	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	4	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	4	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	11	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	11	1.92
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	11	1.92
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	11	1.92
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	11	1.92
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	11	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	11	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	11	1.92
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	11	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	1	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	1	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	1	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	1	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	1	1.92
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	1	1.92
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	11	1.92
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	11	1.92
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	11	1.92
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	11	1.92
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	11	1.92
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	11	1.92
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	11	1.92
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	11	1.92
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	11	1.92
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	2	1.92
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	2	1.92
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	2	1.92
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	18	1.92
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	18	1.92
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	18	1.92
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	6	1.92
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	6	1.92
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	6	1.92
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	6	1.92
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	6	1.92
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	6	1.92
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	6	1.92
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	6	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	6	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	3	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	13	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	20	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	20	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	20	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	20	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	20	1.92
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	20	1.92
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	16	1.92
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	17	1.92
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	17	1.92
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	17	1.92
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	5	1.92
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	9	1.92
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	7	1.92
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	7	1.92
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	12	1.92
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	12	1.92
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	8	1.92
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	7	1.92
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	4	1.92
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	4	1.92
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	10	1.92
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	10	1.92
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	4	1.92
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	4	1.92
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	7	1.92
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	7	1.92
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	20	1.92
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	20	1.92
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	18	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	4	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	4	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	4	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	4	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	19	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	19	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	19	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	19	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	20	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	20	1.92
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	20	1.92
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	16	1.92
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	16	1.92
(1,1047)	1:125:A:ARG:HG2	1:126:A:LYS:H	9	1.92
(1,1047)	1:125:A:ARG:HG3	1:126:A:LYS:H	9	1.92
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	13	1.92
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	13	1.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	14	1.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	14	1.92
(1,869)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	14	1.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	14	1.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	14	1.92
(1,869)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	14	1.92
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	14	1.92
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	14	1.92
(1,869)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	14	1.92
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	2	1.92
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	2	1.92
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	2	1.92
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	2	1.92
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	2	1.92
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	2	1.92
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	10	1.92
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	10	1.92
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	10	1.92
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	10	1.92
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	10	1.92
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	10	1.92
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	10	1.92
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	10	1.92
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	10	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	7	1.92
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	7	1.92
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	7	1.92
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	7	1.92
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	7	1.92
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	7	1.92
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	7	1.92
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	1	1.92
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	1	1.92
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	6	1.92
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	6	1.92
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	6	1.92
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	10	1.92
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	10	1.92
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	10	1.92
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	4	1.92
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	4	1.92
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	4	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	7	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	7	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	7	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	11	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	11	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	11	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	13	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	13	1.92
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	13	1.92
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	18	1.92
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	18	1.92
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	18	1.92
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	1	1.92
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	1	1.92
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	1	1.92
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	1	1.92
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	1	1.92
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	1	1.92
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	2	1.92
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	2	1.92
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	2	1.92
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	2	1.92
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	2	1.92
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	2	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	5	1.92
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	5	1.92
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	5	1.92
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	16	1.92
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	16	1.92
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	16	1.92
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	16	1.92
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	15	1.92
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	15	1.92
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	15	1.92
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	15	1.92
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	15	1.92
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	15	1.92
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	6	1.92
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	6	1.92
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	6	1.92
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	3	1.92
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	3	1.92
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	9	1.92
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	9	1.92
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	9	1.92
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	20	1.92
(1,376)	1:157:A:ALA:HB1	1:178:A:TRP:HH2	8	1.92
(1,376)	1:157:A:ALA:HB2	1:178:A:TRP:HH2	8	1.92
(1,376)	1:157:A:ALA:HB3	1:178:A:TRP:HH2	8	1.92
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	10	1.92
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	10	1.92
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	1	1.92
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	6	1.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	9	1.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	9	1.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	9	1.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	9	1.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	9	1.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	9	1.92
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	1	1.92
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	1	1.92
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	1	1.92
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	10	1.92
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	10	1.92
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	10	1.92
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	16	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	16	1.92
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	16	1.92
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	20	1.92
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	20	1.92
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	20	1.92
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	20	1.92
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	20	1.92
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	20	1.92
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	16	1.92
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	16	1.92
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	16	1.92
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	4	1.92
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	4	1.92
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	4	1.92
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	10	1.92
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	10	1.92
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	10	1.92
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	7	1.92
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	7	1.92
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	7	1.92
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	3	1.92
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	3	1.92
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	3	1.92
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	3	1.92
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	3	1.92
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	3	1.92
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	2	1.92
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	12	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	4	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	4	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	4	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	15	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	15	1.92
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	15	1.92
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	16	1.92
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	16	1.92
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	16	1.92
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	16	1.92
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	10	1.92
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	10	1.92
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	10	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	10	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	10	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	10	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	14	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	14	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	14	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	15	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	15	1.92
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	15	1.92
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	12	1.92
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	12	1.92
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	12	1.92
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	10	1.92
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	11	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	6	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	6	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	10	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	10	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	11	1.92
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	11	1.92
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	18	1.92
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	18	1.92
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	18	1.92
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	18	1.92
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	2	1.92
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	2	1.92
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	7	1.92
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	7	1.92
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	15	1.91
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	15	1.91
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	3	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	15	1.91
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	15	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.91
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.91
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	14	1.91
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	14	1.91
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	14	1.91
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	8	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	8	1.91
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	8	1.91
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	8	1.91
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	8	1.91
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	8	1.91
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	8	1.91
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	8	1.91
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	1	1.91
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	1	1.91
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	1	1.91
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	1	1.91
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	1	1.91
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	1	1.91
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	1	1.91
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	1	1.91
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	1	1.91
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	18	1.91
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	18	1.91
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	18	1.91
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	18	1.91
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	18	1.91
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	18	1.91
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	17	1.91
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	17	1.91
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	17	1.91
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	1.91
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	1.91
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.91
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.91
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	17	1.91
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	17	1.91
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	17	1.91
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	17	1.91
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	17	1.91
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	17	1.91
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	17	1.91
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	17	1.91
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	17	1.91
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	1	1.91
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	1	1.91
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	1	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	1	1.91
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	1	1.91
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	1	1.91
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	1	1.91
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	1	1.91
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	19	1.91
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	19	1.91
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	19	1.91
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	19	1.91
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	19	1.91
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	19	1.91
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	19	1.91
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	19	1.91
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	19	1.91
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	11	1.91
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	11	1.91
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	11	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	5	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	5	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	5	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	8	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	8	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	8	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	17	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	17	1.91
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	17	1.91
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	6	1.91
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	6	1.91
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	6	1.91
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	6	1.91
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	6	1.91
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	6	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	6	1.91
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	6	1.91
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	6	1.91
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	6	1.91
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	6	1.91
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	6	1.91
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	6	1.91
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	6	1.91
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	6	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	13	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	13	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	13	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	13	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	13	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	13	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	13	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	13	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	13	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	15	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	15	1.91
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	15	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	15	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	15	1.91
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	15	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	15	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	15	1.91
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	15	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	3	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	3	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	3	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	3	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	3	1.91
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	3	1.91
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	20	1.91
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	20	1.91
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	20	1.91
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	20	1.91
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	20	1.91
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	20	1.91
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	20	1.91
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	20	1.91
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	20	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	15	1.91
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	15	1.91
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	15	1.91
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	14	1.91
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	14	1.91
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	14	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	2	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	2	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	2	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	5	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	5	1.91
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	5	1.91
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	2	1.91
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	2	1.91
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	2	1.91
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	2	1.91
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	2	1.91
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	2	1.91
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	2	1.91
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	2	1.91
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	2	1.91
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	8	1.91
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	8	1.91
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	8	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	6	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	7	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	9	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	9	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	9	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	9	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	9	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	9	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	10	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	12	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	18	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	19	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	19	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	19	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	19	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	19	1.91
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	19	1.91
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	17	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	17	1.91
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	17	1.91
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	5	1.91
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	11	1.91
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	12	1.91
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	15	1.91
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	18	1.91
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	13	1.91
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	13	1.91
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	13	1.91
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	1	1.91
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	14	1.91
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	15	1.91
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	18	1.91
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	18	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	10	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	10	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	16	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	16	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	20	1.91
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	20	1.91
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	15	1.91
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	15	1.91
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	15	1.91
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	20	1.91
(1,1514)	1:179:A:THR:HG21	1:185:A:GLY:H	16	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1514)	1:179:A:THR:HG22	1:185:A:GLY:H	16	1.91
(1,1514)	1:179:A:THR:HG23	1:185:A:GLY:H	16	1.91
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	3	1.91
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	3	1.91
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	3	1.91
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	3	1.91
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	17	1.91
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	11	1.91
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	11	1.91
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	11	1.91
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	11	1.91
(1,1117)	1:181:A:GLY:H	1:182:A:SER:H	20	1.91
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	2	1.91
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	2	1.91
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	16	1.91
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	16	1.91
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	16	1.91
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	16	1.91
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	16	1.91
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	16	1.91
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	8	1.91
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	8	1.91
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	8	1.91
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	16	1.91
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	1	1.91
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	1	1.91
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	1	1.91
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	18	1.91
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	18	1.91
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	18	1.91
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	18	1.91
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	18	1.91
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	18	1.91
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	13	1.91
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	13	1.91
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	13	1.91
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	3	1.91
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	3	1.91
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	3	1.91
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	10	1.91
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	10	1.91
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	10	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	10	1.91
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	10	1.91
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	10	1.91
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	10	1.91
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	10	1.91
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	10	1.91
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	17	1.91
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	10	1.91
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	10	1.91
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	10	1.91
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	6	1.91
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	6	1.91
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	6	1.91
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	12	1.91
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	12	1.91
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	12	1.91
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	7	1.91
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	7	1.91
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG12	7	1.91
(1,501)	1:117:A:GLY:HA2	1:120:A:ILE:HG13	7	1.91
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	8	1.91
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	8	1.91
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	8	1.91
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	20	1.91
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	20	1.91
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	20	1.91
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	6	1.91
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	6	1.91
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	20	1.91
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	20	1.91
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	9	1.91
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	9	1.91
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	14	1.91
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	1	1.91
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	1	1.91
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	1	1.91
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	20	1.91
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	20	1.91
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	20	1.91
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	12	1.91
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	12	1.91
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	12	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	1	1.91
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	1	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	4	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	4	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	4	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	17	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	17	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	17	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	18	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	18	1.91
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	18	1.91
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	11	1.91
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	11	1.91
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	11	1.91
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	11	1.91
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	11	1.91
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	11	1.91
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	3	1.91
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	3	1.91
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	3	1.91
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	10	1.91
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	10	1.91
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	10	1.91
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	10	1.91
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	10	1.91
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	10	1.91
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	10	1.91
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	10	1.91
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	10	1.91
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	19	1.91
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	19	1.91
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	19	1.91
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	12	1.91
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	12	1.91
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	12	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	13	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	13	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	13	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	19	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	19	1.91
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	19	1.91
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	6	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	16	1.91
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	16	1.91
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	16	1.91
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	5	1.91
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	5	1.91
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	5	1.91
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	5	1.91
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	16	1.91
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	16	1.91
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	16	1.91
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	16	1.91
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	19	1.91
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	19	1.91
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	19	1.91
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	19	1.91
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	19	1.91
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	19	1.91
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	4	1.91
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	4	1.91
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	3	1.9
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	3	1.9
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	3	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	7	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	7	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	7	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	7	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	7	1.9
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	7	1.9
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.9
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.9
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	5	1.9
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	5	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	5	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	9	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	9	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	9	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	10	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	10	1.9
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	10	1.9
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	20	1.9
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	20	1.9
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	20	1.9
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	20	1.9
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	20	1.9
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	20	1.9
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	4	1.9
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	4	1.9
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	4	1.9
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	4	1.9
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	4	1.9
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	4	1.9
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	15	1.9
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	15	1.9
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	15	1.9
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	8	1.9
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	1.9
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	8	1.9
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.9
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.9
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	19	1.9
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	19	1.9
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	19	1.9
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	18	1.9
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	18	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	18	1.9
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	18	1.9
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	18	1.9
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	18	1.9
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	18	1.9
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	18	1.9
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	4	1.9
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	4	1.9
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	4	1.9
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	4	1.9
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	4	1.9
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	4	1.9
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	4	1.9
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	4	1.9
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	4	1.9
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	4	1.9
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	4	1.9
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	4	1.9
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	7	1.9
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	7	1.9
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	7	1.9
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	7	1.9
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	7	1.9
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	7	1.9
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	7	1.9
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	7	1.9
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	7	1.9
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	17	1.9
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	17	1.9
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	17	1.9
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	10	1.9
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	10	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	10	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	10	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	10	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	10	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	10	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	10	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	10	1.9
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	11	1.9
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	11	1.9
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	11	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	11	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	11	1.9
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	11	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	11	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	11	1.9
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	11	1.9
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	18	1.9
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	18	1.9
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	18	1.9
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	18	1.9
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	18	1.9
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	18	1.9
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	6	1.9
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	6	1.9
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	6	1.9
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	6	1.9
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	6	1.9
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	6	1.9
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	6	1.9
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	6	1.9
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	6	1.9
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	14	1.9
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	14	1.9
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	14	1.9
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	14	1.9
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	14	1.9
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	14	1.9
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	20	1.9
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	20	1.9
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	20	1.9
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	20	1.9
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	20	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	20	1.9
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	20	1.9
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	20	1.9
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	20	1.9
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	4	1.9
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	4	1.9
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	4	1.9
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	15	1.9
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	15	1.9
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	15	1.9
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	10	1.9
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	10	1.9
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	10	1.9
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	12	1.9
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	12	1.9
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	12	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	9	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	9	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	9	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	9	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	9	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	9	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	9	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	9	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	9	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	11	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	11	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	11	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	11	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	11	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	11	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	11	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	11	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	11	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	15	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	15	1.9
(1,1848)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	15	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	15	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	15	1.9
(1,1848)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	15	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	15	1.9
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1848)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	15	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	1	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	1	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	1	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	5	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	5	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	5	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	17	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	17	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	17	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	19	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	19	1.9
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	19	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	1	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	2	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	8	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD11	17	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD12	17	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD13	17	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD21	17	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD22	17	1.9
(1,1821)	1:196:A:LEU:HA	1:196:A:LEU:HD23	17	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	1	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	1	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	1	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	8	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	8	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	9	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	9	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	9	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	9	1.9
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	9	1.9
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	12	1.9
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	12	1.9
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	7	1.9
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	7	1.9
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	7	1.9
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	2	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	2	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	3	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	6	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	13	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	19	1.9
(1,1708)	1:60:A:GLU:H	1:61:A:ILE:H	20	1.9
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	8	1.9
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	8	1.9
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	14	1.9
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	17	1.9
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	17	1.9
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	19	1.9
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	19	1.9
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	10	1.9
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	11	1.9
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	4	1.9
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	4	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	4	1.9
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	8	1.9
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	8	1.9
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	15	1.9
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	3	1.9
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	17	1.9
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	8	1.9
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	8	1.9
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	8	1.9
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	8	1.9
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	8	1.9
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	8	1.9
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	9	1.9
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	9	1.9
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	9	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	11	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	11	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	11	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	19	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	19	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	19	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	20	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	20	1.9
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	20	1.9
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	20	1.9
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	7	1.9
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	7	1.9
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	7	1.9
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	16	1.9
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	16	1.9
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	14	1.9
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	14	1.9
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	14	1.9
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	2	1.9
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	2	1.9
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	2	1.9
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	19	1.9
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	19	1.9
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	19	1.9
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	17	1.9
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	17	1.9
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	15	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	15	1.9
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	4	1.9
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	4	1.9
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	4	1.9
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	4	1.9
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	4	1.9
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	4	1.9
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	7	1.9
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	7	1.9
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	16	1.9
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	16	1.9
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	4	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	3	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	3	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	3	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	14	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	14	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	14	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	16	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	16	1.9
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	16	1.9
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	17	1.9
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	17	1.9
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	17	1.9
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	4	1.9
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	4	1.9
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	4	1.9
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	15	1.9
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	15	1.9
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	15	1.9
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	19	1.9
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	19	1.9
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	19	1.9
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	16	1.9
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	16	1.9
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	16	1.9
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	16	1.9
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	20	1.9
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	20	1.9
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	20	1.9
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	20	1.9
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	19	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	19	1.9
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	2	1.9
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	2	1.9
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	9	1.9
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	9	1.9
(1,405)	1:97:A:THR:HG21	1:99:A:ASP:H	6	1.9
(1,405)	1:97:A:THR:HG22	1:99:A:ASP:H	6	1.9
(1,405)	1:97:A:THR:HG23	1:99:A:ASP:H	6	1.9
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	8	1.9
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	8	1.9
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	14	1.9
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	14	1.9
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	14	1.9
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	7	1.9
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	7	1.9
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	7	1.9
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	7	1.9
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	7	1.9
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	7	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	3	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	3	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	3	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	6	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	6	1.9
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	6	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	3	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	3	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	3	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	6	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	6	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	6	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	16	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	16	1.9
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	16	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	2	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	2	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	3	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	3	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	5	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	5	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	10	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	10	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	11	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	11	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	13	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	13	1.9
(1,248)	1:180:A:ASP:HB2	1:181:A:GLY:H	18	1.9
(1,248)	1:180:A:ASP:HB3	1:181:A:GLY:H	18	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	5	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	5	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	5	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	7	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	7	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	7	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	15	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	15	1.9
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	15	1.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	1	1.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	1	1.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	1	1.9
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	6	1.9
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	6	1.9
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	6	1.9
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	19	1.9
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	19	1.9
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	19	1.9
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	17	1.9
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	13	1.9
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	13	1.9
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	13	1.9
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	13	1.9
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	13	1.9
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	13	1.9
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	13	1.9
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	13	1.9
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	13	1.9
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	8	1.9
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	8	1.9
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	8	1.9
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	4	1.9
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	4	1.9
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	4	1.9
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	2	1.9
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	2	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	2	1.9
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	8	1.9
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	8	1.9
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	8	1.9
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	2	1.9
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	9	1.9
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	19	1.9
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	4	1.9
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	4	1.9
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	4	1.9
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	4	1.9
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	4	1.9
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	4	1.9
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	13	1.9
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	13	1.9
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	9	1.9
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	9	1.9
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	9	1.9
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	9	1.9
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	1	1.9
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	1	1.9
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	9	1.89
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	9	1.89
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	9	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	13	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	13	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	13	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	13	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	13	1.89
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	13	1.89
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.89
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	19	1.89
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	19	1.89
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	19	1.89
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	15	1.89
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	15	1.89
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	15	1.89
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	9	1.89
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	9	1.89
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	9	1.89
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	9	1.89
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	9	1.89
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	9	1.89
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	15	1.89
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	15	1.89
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	15	1.89
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	15	1.89
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	15	1.89
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	15	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	1	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	1	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	1	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	2	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	2	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	2	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	11	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	11	1.89
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	11	1.89
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.89
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.89
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	3	1.89
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	3	1.89
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	11	1.89
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	11	1.89
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	11	1.89
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	14	1.89
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	14	1.89
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	14	1.89
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	19	1.89
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	19	1.89
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	19	1.89
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	17	1.89
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	17	1.89
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	17	1.89
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	17	1.89
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	17	1.89
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	17	1.89
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	17	1.89
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	17	1.89
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	17	1.89
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	12	1.89
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	12	1.89
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	12	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	10	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	10	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	10	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD21	18	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD22	18	1.89
(1,1962)	1:113:A:LEU:HB3	1:113:A:LEU:HD23	18	1.89
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	1	1.89
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	1	1.89
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	1	1.89
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	1	1.89
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	1	1.89
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	1	1.89
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	1	1.89
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	1	1.89
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	1	1.89
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	15	1.89
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	15	1.89
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	15	1.89
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	15	1.89
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	15	1.89
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	15	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	6	1.89
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	6	1.89
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	6	1.89
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	6	1.89
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	6	1.89
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	6	1.89
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	10	1.89
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	10	1.89
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	10	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	12	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	12	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	12	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	12	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	12	1.89
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	12	1.89
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	12	1.89
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	12	1.89
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	12	1.89
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	10	1.89
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	10	1.89
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	10	1.89
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	10	1.89
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	10	1.89
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	10	1.89
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	10	1.89
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	10	1.89
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	10	1.89
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	1	1.89
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	1	1.89
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	1	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	1	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	1	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	1	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	7	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	7	1.89
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	7	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	2	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	2	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	2	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	3	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	3	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	3	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	4	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	4	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	4	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	6	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	6	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	6	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	7	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	7	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	7	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	9	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	9	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	9	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	10	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	10	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	10	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	11	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	11	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	11	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	12	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	12	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	12	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	13	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	13	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	13	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	16	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	16	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	16	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	18	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	18	1.89
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	18	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	13	1.89
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	13	1.89
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	13	1.89
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	14	1.89
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	16	1.89
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	16	1.89
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	14	1.89
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	14	1.89
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	14	1.89
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	2	1.89
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	4	1.89
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	1	1.89
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	10	1.89
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	18	1.89
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	20	1.89
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	7	1.89
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	7	1.89
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	12	1.89
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	12	1.89
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	12	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	12	1.89
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	14	1.89
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	14	1.89
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	3	1.89
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	3	1.89
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	3	1.89
(1,1521)	1:188:A:PHE:H	1:188:A:PHE:HB2	8	1.89
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	15	1.89
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	15	1.89
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	15	1.89
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	15	1.89
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	4	1.89
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	4	1.89
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	4	1.89
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	13	1.89
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	19	1.89
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	19	1.89
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	1	1.89
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	1	1.89
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	1	1.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	2	1.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	2	1.89
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	14	1.89
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	14	1.89
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	14	1.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	13	1.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	13	1.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	13	1.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	13	1.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	13	1.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	13	1.89
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	18	1.89
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	5	1.89
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	5	1.89
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	5	1.89
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	19	1.89
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	19	1.89
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	19	1.89
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	20	1.89
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	20	1.89
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	20	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	9	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	9	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	9	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	13	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	13	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	13	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	14	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	14	1.89
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	14	1.89
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	9	1.89
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	9	1.89
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	8	1.89
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	8	1.89
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	8	1.89
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	7	1.89
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	7	1.89
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	7	1.89
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	16	1.89
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	16	1.89
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	20	1.89
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	20	1.89
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	20	1.89
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	6	1.89
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	6	1.89
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	6	1.89
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	6	1.89
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	6	1.89
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	6	1.89
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	6	1.89
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	6	1.89
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	6	1.89
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	17	1.89
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	17	1.89
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	17	1.89
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	9	1.89
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	9	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	5	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	5	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	5	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	10	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	10	1.89
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	10	1.89
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	19	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	19	1.89
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	19	1.89
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	20	1.89
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	20	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	15	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	15	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	15	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	18	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	18	1.89
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	18	1.89
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	8	1.89
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	8	1.89
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	8	1.89
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	20	1.89
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	20	1.89
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	20	1.89
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	7	1.89
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	7	1.89
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	7	1.89
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	7	1.89
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	11	1.89
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	11	1.89
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	11	1.89
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	11	1.89
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	15	1.89
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	2	1.89
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	2	1.89
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	2	1.89
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	2	1.89
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	2	1.89
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	2	1.89
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	2	1.89
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	2	1.89
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	2	1.89
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	11	1.89
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	11	1.89
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	18	1.89
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	18	1.89
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	18	1.89
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	13	1.89
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	13	1.89
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	13	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	7	1.89
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	7	1.89
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	7	1.89
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	11	1.89
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	11	1.89
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	11	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	3	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	3	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	3	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	9	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	9	1.89
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	9	1.89
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	5	1.89
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	5	1.89
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	5	1.89
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	5	1.89
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	5	1.89
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	5	1.89
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	14	1.89
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	14	1.89
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	14	1.89
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	14	1.89
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	14	1.89
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	14	1.89
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	10	1.89
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	10	1.89
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	10	1.89
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG21	17	1.89
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG22	17	1.89
(1,124)	1:193:A:THR:HA	1:193:A:THR:HG23	17	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	12	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	12	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	12	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	16	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	16	1.89
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	16	1.89
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	14	1.89
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	14	1.89
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	14	1.89
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	14	1.89
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	14	1.89
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	14	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	14	1.89
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	8	1.89
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	8	1.89
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	20	1.89
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	20	1.89
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	12	1.89
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	12	1.89
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	14	1.89
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	14	1.89
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	13	1.89
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	13	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	13	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	13	1.89
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	17	1.89
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	17	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	17	1.89
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	17	1.89
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	12	1.89
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	12	1.89
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	12	1.88
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	12	1.88
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	12	1.88
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	12	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	4	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	4	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	4	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	4	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	4	1.88
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	4	1.88
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.88
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.88
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	3	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	3	1.88
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	3	1.88
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	14	1.88
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	14	1.88
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	14	1.88
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	20	1.88
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	20	1.88
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	20	1.88
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	20	1.88
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	20	1.88
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	20	1.88
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	20	1.88
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	20	1.88
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD11	17	1.88
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD12	17	1.88
(1,2136)	1:156:A:LEU:HD11	1:186:A:ILE:HD13	17	1.88
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD11	17	1.88
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD12	17	1.88
(1,2136)	1:156:A:LEU:HD12	1:186:A:ILE:HD13	17	1.88
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD11	17	1.88
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD12	17	1.88
(1,2136)	1:156:A:LEU:HD13	1:186:A:ILE:HD13	17	1.88
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	20	1.88
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	20	1.88
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	20	1.88
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	20	1.88
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	20	1.88
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	20	1.88
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	14	1.88
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	14	1.88
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	14	1.88
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	14	1.88
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	14	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	7	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	7	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	7	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	10	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	10	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	10	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	16	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	16	1.88
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	16	1.88
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	2	1.88
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	2	1.88
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	2	1.88
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	5	1.88
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	5	1.88
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	5	1.88
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	13	1.88
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	13	1.88
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	13	1.88
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	13	1.88
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	13	1.88
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	13	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	9	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	9	1.88
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	9	1.88
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.88
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.88
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	16	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	16	1.88
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	16	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	9	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	9	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	9	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	15	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	15	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	15	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	1.88
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	1.88
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	6	1.88
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	6	1.88
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	6	1.88
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	19	1.88
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	19	1.88
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	19	1.88
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	1	1.88
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	1	1.88
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	1	1.88
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	8	1.88
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	8	1.88
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	8	1.88
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	10	1.88
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	10	1.88
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	10	1.88
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	11	1.88
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	11	1.88
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	11	1.88
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	15	1.88
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	15	1.88
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	15	1.88
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	15	1.88
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	15	1.88
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	15	1.88
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	15	1.88
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	15	1.88
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	15	1.88
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	2	1.88
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	2	1.88
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	2	1.88
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	15	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	15	1.88
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	15	1.88
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	13	1.88
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	13	1.88
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	13	1.88
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	19	1.88
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	19	1.88
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	19	1.88
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	6	1.88
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	6	1.88
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	6	1.88
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	19	1.88
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	19	1.88
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	19	1.88
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	6	1.88
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	6	1.88
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	6	1.88
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	1.88
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	1.88
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	1.88
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	11	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	11	1.88
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	11	1.88
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	11	1.88
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	11	1.88
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	11	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	2	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	2	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	7	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	7	1.88
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	7	1.88
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	4	1.88
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	4	1.88
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	11	1.88
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	11	1.88
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	11	1.88
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	2	1.88
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	2	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	4	1.88
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	4	1.88
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	6	1.88
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	6	1.88
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	7	1.88
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	2	1.88
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	2	1.88
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	19	1.88
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	19	1.88
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	9	1.88
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	9	1.88
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	9	1.88
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	2	1.88
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	14	1.88
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	14	1.88
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	14	1.88
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	14	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	6	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	6	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	6	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	6	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	10	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	10	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	10	1.88
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	10	1.88
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	5	1.88
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	7	1.88
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	5	1.88
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	5	1.88
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	5	1.88
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	5	1.88
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	5	1.88
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	5	1.88
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	6	1.88
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	6	1.88
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	6	1.88
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	6	1.88
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	6	1.88
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	6	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	3	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	3	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	3	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	9	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	9	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	9	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	12	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	12	1.88
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	12	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	18	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	18	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	18	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	18	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	18	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	18	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	19	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	19	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	19	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	19	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	19	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	19	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	20	1.88
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	20	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	20	1.88
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	20	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	20	1.88
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	20	1.88
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	4	1.88
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	4	1.88
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	4	1.88
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	4	1.88
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	4	1.88
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	4	1.88
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	7	1.88
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	7	1.88
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	20	1.88
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	20	1.88
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	8	1.88
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	8	1.88
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	8	1.88
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	18	1.88
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	18	1.88
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	18	1.88
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	16	1.88
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	16	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	20	1.88
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	20	1.88
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	7	1.88
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	7	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	2	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	2	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	2	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	2	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	2	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	2	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	2	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	2	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	2	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	14	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	14	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	14	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	14	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	14	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	14	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	14	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	14	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	14	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	18	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	18	1.88
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	18	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	18	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	18	1.88
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	18	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	18	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	18	1.88
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	18	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	1	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	1	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	1	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	5	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	5	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	5	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	11	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	11	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	11	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	12	1.88
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	12	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	12	1.88
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	13	1.88
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	7	1.88
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	7	1.88
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	7	1.88
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	8	1.88
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	8	1.88
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	8	1.88
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	9	1.88
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	9	1.88
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	9	1.88
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	13	1.88
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	13	1.88
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	13	1.88
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	4	1.88
(1,364)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	4	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	4	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	4	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	9	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	9	1.88
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	9	1.88
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	4	1.88
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	4	1.88
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	4	1.88
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	4	1.88
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	4	1.88
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	4	1.88
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	7	1.88
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	7	1.88
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	7	1.88
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	16	1.88
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	16	1.88
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	16	1.88
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	12	1.88
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	12	1.88
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	12	1.88
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	6	1.88
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	6	1.88
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	6	1.88
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	19	1.88
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	19	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	19	1.88
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	6	1.88
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	6	1.88
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	6	1.88
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	6	1.88
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	6	1.88
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	6	1.88
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	19	1.88
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	19	1.88
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	19	1.88
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	19	1.88
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	19	1.88
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	19	1.88
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	1	1.88
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	1	1.88
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	1	1.88
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	20	1.88
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	20	1.88
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	20	1.88
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	1	1.88
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	1	1.88
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	1	1.88
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	1	1.88
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	1	1.88
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	1	1.88
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	1	1.88
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	1	1.88
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	1	1.88
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	19	1.88
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	19	1.88
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	19	1.88
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	19	1.88
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	19	1.88
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	19	1.88
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	2	1.88
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	2	1.88
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	2	1.88
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	12	1.88
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	15	1.88
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	15	1.88
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	15	1.88
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	14	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	14	1.88
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	10	1.88
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	10	1.88
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	10	1.88
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	10	1.88
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	10	1.88
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	10	1.88
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	9	1.88
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	9	1.88
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	5	1.87
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	5	1.87
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	5	1.87
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	5	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	6	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	20	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	20	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	20	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	20	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	20	1.87
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	20	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	15	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	15	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	1.87
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	18	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	18	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	18	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	19	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	19	1.87
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	19	1.87
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	4	1.87
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	4	1.87
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	4	1.87
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	4	1.87
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	4	1.87
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	4	1.87
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	6	1.87
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	6	1.87
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	6	1.87
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	6	1.87
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	6	1.87
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	6	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	3	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	3	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	3	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	5	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	5	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	5	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	18	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	18	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	18	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	19	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	19	1.87
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	19	1.87
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	13	1.87
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	13	1.87
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	13	1.87
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	13	1.87
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	13	1.87
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	13	1.87
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	6	1.87
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	6	1.87
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	6	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	13	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	13	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	13	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	19	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	19	1.87
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	19	1.87
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	7	1.87
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	7	1.87
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	7	1.87
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	7	1.87
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	7	1.87
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	7	1.87
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	7	1.87
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	7	1.87
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	15	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	1.87
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	1.87
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	2	1.87
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	2	1.87
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	2	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	4	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	4	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	4	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	4	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	4	1.87
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	4	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	3	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	3	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	3	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	14	1.87
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	14	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	14	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	2	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	13	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	14	1.87
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	14	1.87
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	13	1.87
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	13	1.87
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	13	1.87
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	13	1.87
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	13	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	13	1.87
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	13	1.87
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	13	1.87
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	13	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	1	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	1	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	1	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	3	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	3	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	3	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	5	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	5	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	5	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	16	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	16	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	16	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	20	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	1.87
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	20	1.87
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	8	1.87
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	8	1.87
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	8	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	8	1.87
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	15	1.87
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	15	1.87
(1,1866)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	15	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	3	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	3	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	3	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	17	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	17	1.87
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	17	1.87
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	12	1.87
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	12	1.87
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	12	1.87
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	12	1.87
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	12	1.87
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	12	1.87
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	6	1.87
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	6	1.87
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	6	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	6	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	6	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	10	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	10	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	10	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	11	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	11	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	11	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	11	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	16	1.87
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	16	1.87
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	6	1.87
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	14	1.87
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	5	1.87
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	11	1.87
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	1	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	1	1.87
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	2	1.87
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	2	1.87
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	4	1.87
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	4	1.87
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	6	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	7	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	7	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	9	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	9	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	11	1.87
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	11	1.87
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	1	1.87
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	1	1.87
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	1	1.87
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	1	1.87
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	18	1.87
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	1	1.87
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	1	1.87
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	1	1.87
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	1	1.87
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	18	1.87
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	10	1.87
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	10	1.87
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	16	1.87
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	16	1.87
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	4	1.87
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	4	1.87
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	4	1.87
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	4	1.87
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	4	1.87
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	4	1.87
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	12	1.87
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	12	1.87
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	12	1.87
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	12	1.87
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	12	1.87
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	12	1.87
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	11	1.87
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	11	1.87
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	11	1.87
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	3	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	3	1.87
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	3	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	1	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	1	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	3	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	3	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	5	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	5	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	10	1.87
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	10	1.87
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	18	1.87
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	18	1.87
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	18	1.87
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	15	1.87
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	15	1.87
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	16	1.87
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	16	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	1	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	1	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	1	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	1	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	1	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	1	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	1	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	1	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	1	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	17	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	17	1.87
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	17	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	17	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	17	1.87
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	17	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	17	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	17	1.87
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	17	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	8	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	8	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	9	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	9	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	12	1.87
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	12	1.87
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG21	19	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG22	19	1.87
(1,564)	1:50:A:ILE:HA	1:50:A:ILE:HG23	19	1.87
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	10	1.87
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	10	1.87
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	10	1.87
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	11	1.87
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	11	1.87
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	11	1.87
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	17	1.87
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	17	1.87
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	17	1.87
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	5	1.87
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	5	1.87
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	5	1.87
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	5	1.87
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	12	1.87
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	12	1.87
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	12	1.87
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	12	1.87
(1,411)	1:91:A:TYR:HB2	1:134:A:ILE:HB	8	1.87
(1,411)	1:91:A:TYR:HB3	1:134:A:ILE:HB	8	1.87
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	2	1.87
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	2	1.87
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	2	1.87
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	2	1.87
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	2	1.87
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	2	1.87
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	3	1.87
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	3	1.87
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	3	1.87
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	3	1.87
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	3	1.87
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	3	1.87
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	7	1.87
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	7	1.87
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	14	1.87
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	14	1.87
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	14	1.87
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	14	1.87
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	14	1.87
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	14	1.87
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	17	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	17	1.87
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	17	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	1	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	1	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	1	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	1	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	1	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	1	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	14	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	14	1.87
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	14	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	14	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	14	1.87
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	14	1.87
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	6	1.87
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	6	1.87
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	6	1.87
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	6	1.87
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	6	1.87
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	6	1.87
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	17	1.87
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	17	1.87
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	17	1.87
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	11	1.87
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	11	1.87
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	11	1.87
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	2	1.87
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	2	1.87
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	2	1.87
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	2	1.87
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	2	1.87
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	2	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	13	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	13	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	13	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	15	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	15	1.87
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	15	1.87
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	1	1.87
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	1	1.87
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	1	1.87
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	11	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	11	1.87
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	11	1.87
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	10	1.87
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	10	1.87
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	10	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	9	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	9	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	9	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	9	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	9	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	9	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	15	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	15	1.87
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	15	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	15	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	15	1.87
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	15	1.87
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	20	1.87
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	20	1.87
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	20	1.87
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	20	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	6	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	6	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	6	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	15	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	15	1.87
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	15	1.87
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	14	1.87
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD11	18	1.87
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD12	18	1.87
(1,57)	1:136:A:ILE:HA	1:136:A:ILE:HD13	18	1.87
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	12	1.87
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	12	1.87
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	20	1.87
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	20	1.87
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	20	1.87
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	20	1.87
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	20	1.87
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	20	1.87
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	20	1.87
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	20	1.87
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	14	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	14	1.87
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	14	1.87
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	14	1.87
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	14	1.87
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	14	1.87
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	4	1.87
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	4	1.87
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	10	1.87
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	10	1.87
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	3	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	3	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	3	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	3	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	10	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	10	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	10	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	10	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	13	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	13	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	13	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	13	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	14	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	14	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	14	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	14	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	17	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	17	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	17	1.86
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	17	1.86
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.86
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.86
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	7	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	7	1.86
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	7	1.86
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	10	1.86
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	10	1.86
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	10	1.86
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	10	1.86
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	10	1.86
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	10	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	6	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	6	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	6	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	6	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	6	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	6	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	19	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	19	1.86
(1,2115)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	19	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	19	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	19	1.86
(1,2115)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	19	1.86
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	16	1.86
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	16	1.86
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	16	1.86
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	16	1.86
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	16	1.86
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	16	1.86
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE1	5	1.86
(1,2089)	1:105:A:VAL:HG11	1:188:A:PHE:HE2	5	1.86
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE1	5	1.86
(1,2089)	1:105:A:VAL:HG12	1:188:A:PHE:HE2	5	1.86
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE1	5	1.86
(1,2089)	1:105:A:VAL:HG13	1:188:A:PHE:HE2	5	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	4	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	4	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	4	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	6	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	6	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	6	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	17	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	17	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	17	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	20	1.86
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	20	1.86
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	7	1.86
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	7	1.86
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	7	1.86
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.86
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.86
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	2	1.86
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	2	1.86
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	2	1.86
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	2	1.86
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	2	1.86
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	2	1.86
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	2	1.86
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	2	1.86
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	2	1.86
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	1	1.86
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	1	1.86
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	1	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	10	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	10	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	10	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	10	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	10	1.86
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	10	1.86
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	12	1.86
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	12	1.86
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	12	1.86
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	12	1.86
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	12	1.86
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	12	1.86
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	18	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	18	1.86
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	18	1.86
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	18	1.86
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	18	1.86
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	18	1.86
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	18	1.86
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	18	1.86
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	18	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	6	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	6	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	6	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	19	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	19	1.86
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	19	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	2	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	2	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	2	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	14	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	14	1.86
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	14	1.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	8	1.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	8	1.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	8	1.86
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	17	1.86
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	17	1.86
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	17	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	17	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	17	1.86
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	17	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	17	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	17	1.86
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	17	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	1	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	1	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	1	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	5	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	5	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	5	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	12	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	12	1.86
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	12	1.86
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	9	1.86
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	9	1.86
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD11	9	1.86
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD12	9	1.86
(1,1915)	1:122:A:LEU:HB3	1:122:A:LEU:HD13	9	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	8	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	8	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	8	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	10	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	10	1.86
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	10	1.86
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	14	1.86
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	14	1.86
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	14	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	16	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	16	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	16	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	19	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	19	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	19	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	20	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	20	1.86
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	20	1.86
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	19	1.86
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	19	1.86
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	19	1.86
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	20	1.86
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	20	1.86
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	20	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	4	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	4	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	4	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	12	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	12	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	12	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	19	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	19	1.86
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	19	1.86
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	17	1.86
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	17	1.86
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	16	1.86
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	11	1.86
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	11	1.86
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	9	1.86
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	9	1.86
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	5	1.86
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	5	1.86
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	1	1.86
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	1	1.86
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	18	1.86
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	18	1.86
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	8	1.86
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	8	1.86
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	8	1.86
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	8	1.86
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	8	1.86
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	8	1.86
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	8	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	18	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	18	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	18	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	19	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	19	1.86
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	19	1.86
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	14	1.86
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	14	1.86
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	14	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	17	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	17	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	17	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	18	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	18	1.86
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	18	1.86
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	13	1.86
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	13	1.86
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	13	1.86
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	13	1.86
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	13	1.86
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	13	1.86
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	13	1.86
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	13	1.86
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	13	1.86
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	18	1.86
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	18	1.86
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	18	1.86
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	18	1.86
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	6	1.86
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	6	1.86
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	7	1.86
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	7	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	13	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	13	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	13	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	13	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	13	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	13	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	13	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	13	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	13	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	20	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	20	1.86
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	20	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	20	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	20	1.86
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	20	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	20	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	20	1.86
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	20	1.86
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	16	1.86
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	3	1.86
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	3	1.86
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	15	1.86
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	15	1.86
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	15	1.86
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	10	1.86
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	10	1.86
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	10	1.86
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	10	1.86
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	4	1.86
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	4	1.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	7	1.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	7	1.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	7	1.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	7	1.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	7	1.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	7	1.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	7	1.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	7	1.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	7	1.86
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	6	1.86
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	6	1.86
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	6	1.86
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	6	1.86
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	6	1.86
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	6	1.86
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	6	1.86
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	17	1.86
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	9	1.86
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	18	1.86
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	1	1.86
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	18	1.86
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	9	1.86
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	9	1.86
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	9	1.86
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	9	1.86
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	9	1.86
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	9	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	3	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	3	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	3	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	3	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	3	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	3	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	10	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	10	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	10	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	10	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	10	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	10	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	13	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	13	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	13	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	13	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	13	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	13	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	15	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	15	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	15	1.86
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	15	1.86
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	15	1.86
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	15	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	4	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	4	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	4	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	9	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	9	1.86
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	9	1.86
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	16	1.86
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	16	1.86
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	16	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	5	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	5	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	5	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	12	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	12	1.86
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	12	1.86
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	3	1.86
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	3	1.86
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	3	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	16	1.86
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	16	1.86
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	16	1.86
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	16	1.86
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	16	1.86
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	16	1.86
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	16	1.86
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	16	1.86
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	16	1.86
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	5	1.86
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	5	1.86
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	5	1.86
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	6	1.86
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	6	1.86
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	20	1.86
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	20	1.86
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	14	1.86
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	13	1.86
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	13	1.86
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	14	1.86
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	14	1.86
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	20	1.86
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	20	1.86
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	20	1.86
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	20	1.86
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	18	1.86
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	9	1.86
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	9	1.86
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	1	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	1	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	1	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	1	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	4	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	4	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	4	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	4	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	7	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	7	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	7	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	7	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	15	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	15	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	15	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	15	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	16	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	16	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	16	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	16	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	20	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	20	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	20	1.85
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	20	1.85
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	6	1.85
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	6	1.85
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	6	1.85
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	18	1.85
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	18	1.85
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	18	1.85
(1,2190)	1:100:A:LEU:HD21	1:180:A:ASP:H	10	1.85
(1,2190)	1:100:A:LEU:HD22	1:180:A:ASP:H	10	1.85
(1,2190)	1:100:A:LEU:HD23	1:180:A:ASP:H	10	1.85
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	13	1.85
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	13	1.85
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	13	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.85
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.85
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	18	1.85
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	18	1.85
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	18	1.85
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	18	1.85
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	18	1.85
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	18	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	6	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	6	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	6	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	6	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	6	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	6	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	6	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	6	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	13	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	13	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	13	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	18	1.85
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	18	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	18	1.85
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	18	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	18	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	18	1.85
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	18	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	18	1.85
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	18	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	18	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	18	1.85
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	18	1.85
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	11	1.85
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	11	1.85
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	11	1.85
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	7	1.85
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	7	1.85
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	7	1.85
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	7	1.85
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	7	1.85
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	7	1.85
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	7	1.85
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	7	1.85
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	7	1.85
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	7	1.85
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	7	1.85
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	7	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.85
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.85
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	6	1.85
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	6	1.85
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	6	1.85
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	20	1.85
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	20	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	20	1.85
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.85
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.85
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.85
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	5	1.85
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	5	1.85
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	5	1.85
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	5	1.85
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	5	1.85
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	5	1.85
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	5	1.85
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	5	1.85
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	5	1.85
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	18	1.85
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	18	1.85
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	18	1.85
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	2	1.85
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	2	1.85
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	2	1.85
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	17	1.85
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	17	1.85
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	17	1.85
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	20	1.85
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	20	1.85
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	20	1.85
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	8	1.85
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	18	1.85
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	18	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	3	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	3	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	3	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	3	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	3	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	3	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	3	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	3	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	3	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	18	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	18	1.85
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	18	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	18	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	18	1.85
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	18	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	18	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	18	1.85
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	18	1.85
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	18	1.85
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	18	1.85
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	18	1.85
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	18	1.85
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	18	1.85
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	18	1.85
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	18	1.85
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	18	1.85
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	18	1.85
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	9	1.85
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	9	1.85
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	9	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	6	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	6	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	6	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	9	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	9	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	9	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	10	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	10	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	10	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	13	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	13	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	13	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	14	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	14	1.85
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	14	1.85
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	15	1.85
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	15	1.85
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	15	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	3	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	3	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	3	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	18	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	18	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	18	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	1.85
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	1.85
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	7	1.85
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	7	1.85
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	3	1.85
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	3	1.85
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	3	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	19	1.85
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	19	1.85
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	19	1.85
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	1	1.85
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	1	1.85
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	1	1.85
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	13	1.85
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	13	1.85
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	3	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	1	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	1	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	3	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	3	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	15	1.85
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	15	1.85
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	6	1.85
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	6	1.85
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	12	1.85
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	12	1.85
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	12	1.85
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	12	1.85
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	4	1.85
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	4	1.85
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	8	1.85
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	8	1.85
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	8	1.85
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	15	1.85
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	15	1.85
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	11	1.85
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	11	1.85
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	11	1.85
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	18	1.85
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	18	1.85
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	18	1.85
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	12	1.85
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	12	1.85
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	12	1.85
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	12	1.85
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	12	1.85
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	12	1.85
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	12	1.85
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	12	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	18	1.85
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	18	1.85
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	18	1.85
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	18	1.85
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	18	1.85
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	18	1.85
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	6	1.85
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	6	1.85
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	6	1.85
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	13	1.85
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	13	1.85
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	13	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	17	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	17	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	17	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	18	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	18	1.85
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	18	1.85
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	6	1.85
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	6	1.85
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	6	1.85
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	6	1.85
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	6	1.85
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	6	1.85
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	2	1.85
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	2	1.85
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	2	1.85
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	16	1.85
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	16	1.85
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	16	1.85
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	4	1.85
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	4	1.85
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	4	1.85
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	4	1.85
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	4	1.85
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	8	1.85
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	8	1.85
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	8	1.85
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	4	1.85
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	4	1.85
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	4	1.85
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	16	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	16	1.85
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	16	1.85
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	17	1.85
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	17	1.85
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	17	1.85
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	2	1.85
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	2	1.85
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	2	1.85
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	2	1.85
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	17	1.85
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	17	1.85
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	17	1.85
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	17	1.85
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	4	1.85
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	4	1.85
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	4	1.85
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	4	1.85
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	4	1.85
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	4	1.85
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	12	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	2	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	2	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	11	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	11	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	11	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	11	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	11	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	11	1.85
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	11	1.85
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	5	1.85
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	5	1.85
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	5	1.85
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	11	1.85
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	11	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	16	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	16	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	16	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	19	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	19	1.85
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	19	1.85
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	16	1.85
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	16	1.85
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	16	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	9	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	9	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	9	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	9	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	9	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	9	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	11	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	11	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	11	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	11	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	11	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	11	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	14	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	14	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	14	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	14	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	14	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	14	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	19	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	19	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	19	1.85
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	19	1.85
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	19	1.85
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	19	1.85
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	6	1.85
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	6	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	17	1.85
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	17	1.85
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	15	1.85
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	15	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	1	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	1	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	1	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	18	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	18	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	18	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	20	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	20	1.85
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	20	1.85
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	8	1.85
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	8	1.85
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	8	1.85
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	14	1.85
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	14	1.85
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	14	1.85
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	17	1.85
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	17	1.85
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	17	1.85
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	9	1.85
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	9	1.85
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	9	1.85
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	9	1.85
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	9	1.85
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	9	1.85
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	7	1.85
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	7	1.85
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	7	1.85
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	7	1.85
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	7	1.85
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	7	1.85
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	15	1.85
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	15	1.85
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	15	1.85
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	1	1.85
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	1	1.85
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	1	1.85
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	1	1.85
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	7	1.85
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	7	1.85
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	7	1.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	6	1.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	6	1.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	6	1.85
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	2	1.85
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	2	1.85
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	2	1.85
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	18	1.85
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	18	1.85
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	18	1.85
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	18	1.85
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	3	1.85
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	7	1.85
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	2	1.85
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	2	1.85
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	2	1.85
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	2	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	2	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	2	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	2	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	6	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	6	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	6	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	6	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	11	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	11	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	11	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	11	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	19	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	19	1.84
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	19	1.84
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	19	1.84
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.84
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	4	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	4	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	4	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	20	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	20	1.84
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	20	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	8	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	8	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	8	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	8	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	8	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	8	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	12	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	12	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	12	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	12	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	12	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	12	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	19	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	19	1.84
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	19	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	19	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	19	1.84
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	19	1.84
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	20	1.84
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	20	1.84
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	20	1.84
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	20	1.84
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	20	1.84
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	20	1.84
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	15	1.84
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	15	1.84
(1,2104)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	15	1.84
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	15	1.84
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	15	1.84
(1,2104)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	15	1.84
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	3	1.84
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	3	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	3	1.84
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	17	1.84
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	17	1.84
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	17	1.84
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.84
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.84
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	15	1.84
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	15	1.84
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	15	1.84
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	15	1.84
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	15	1.84
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	15	1.84
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	8	1.84
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	8	1.84
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	8	1.84
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	19	1.84
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	19	1.84
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	19	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	19	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	19	1.84
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	19	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	19	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	19	1.84
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	19	1.84
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	10	1.84
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	10	1.84
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	10	1.84
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	8	1.84
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	8	1.84
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	8	1.84
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	8	1.84
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	8	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	8	1.84
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	8	1.84
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	8	1.84
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	8	1.84
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	8	1.84
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	8	1.84
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	8	1.84
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	8	1.84
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	8	1.84
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	8	1.84
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	15	1.84
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	15	1.84
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	15	1.84
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	16	1.84
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	16	1.84
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	16	1.84
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	16	1.84
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	16	1.84
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	16	1.84
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	16	1.84
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	16	1.84
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	16	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	7	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	7	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	7	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	13	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	13	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	13	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	16	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	16	1.84
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	16	1.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	14	1.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	14	1.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	14	1.84
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	15	1.84
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	15	1.84
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	15	1.84
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	15	1.84
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	15	1.84
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	15	1.84
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	15	1.84
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	15	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	15	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	4	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	4	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	4	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	11	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	11	1.84
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	11	1.84
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	14	1.84
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	14	1.84
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	14	1.84
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	17	1.84
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	17	1.84
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	17	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	5	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	5	1.84
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	5	1.84
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	1	1.84
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	1	1.84
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	9	1.84
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	5	1.84
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	5	1.84
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	8	1.84
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	8	1.84
(1,1553)	1:200:A:LEU:H	1:200:A:LEU:HG	17	1.84
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	16	1.84
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	16	1.84
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	16	1.84
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	20	1.84
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	20	1.84
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	20	1.84
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	20	1.84
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	20	1.84
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	20	1.84
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	4	1.84
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	4	1.84
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	4	1.84
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	4	1.84
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	4	1.84
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	4	1.84
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	13	1.84
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	13	1.84
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	13	1.84
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	5	1.84
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	5	1.84
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	5	1.84
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	13	1.84
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	13	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	1	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	1	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	1	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	10	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	10	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	10	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	15	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	15	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	15	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	17	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	17	1.84
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	17	1.84
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	4	1.84
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	4	1.84
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	19	1.84
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	19	1.84
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	19	1.84
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	19	1.84
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	3	1.84
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	12	1.84
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	12	1.84
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	12	1.84
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	3	1.84
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	3	1.84
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	7	1.84
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	7	1.84
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	19	1.84
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	19	1.84
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	19	1.84
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	19	1.84
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	19	1.84
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	19	1.84
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB2	13	1.84
(1,421)	1:90:A:THR:HG21	1:125:A:ARG:HB3	13	1.84
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB2	13	1.84
(1,421)	1:90:A:THR:HG22	1:125:A:ARG:HB3	13	1.84
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB2	13	1.84
(1,421)	1:90:A:THR:HG23	1:125:A:ARG:HB3	13	1.84
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	16	1.84
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	16	1.84
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	16	1.84
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	16	1.84
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	16	1.84
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	16	1.84
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	16	1.84
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	16	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	16	1.84
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	13	1.84
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	6	1.84
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	6	1.84
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	6	1.84
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	12	1.84
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	12	1.84
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	12	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	4	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	4	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	4	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	4	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	4	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	4	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	17	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	17	1.84
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	17	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	17	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	17	1.84
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	17	1.84
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	12	1.84
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	12	1.84
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	12	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	9	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	9	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	9	1.84
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	9	1.84
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	9	1.84
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	9	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	9	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	9	1.84
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	9	1.84
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	13	1.84
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	13	1.84
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	13	1.84
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	13	1.84
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	13	1.84
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	13	1.84
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	7	1.84
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	7	1.84
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	9	1.84
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	9	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	13	1.84
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	13	1.84
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	7	1.84
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	7	1.84
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	7	1.84
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	7	1.84
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	7	1.84
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	7	1.84
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	7	1.84
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	7	1.84
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	7	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	5	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	5	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	5	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	14	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	14	1.84
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	14	1.84
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	11	1.84
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	11	1.84
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	11	1.84
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	2	1.84
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	13	1.84
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	2	1.84
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	2	1.84
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	2	1.84
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	16	1.84
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	16	1.84
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	16	1.84
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	16	1.84
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	16	1.84
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	16	1.84
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	8	1.84
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	8	1.84
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	8	1.84
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	12	1.84
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	12	1.84
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	12	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	12	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	12	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	12	1.84
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	18	1.84
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	18	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	18	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	18	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	18	1.84
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	18	1.84
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	16	1.84
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	16	1.84
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	16	1.84
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	16	1.84
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	16	1.84
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	16	1.84
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	9	1.84
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	9	1.84
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	9	1.84
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	5	1.84
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	5	1.84
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	5	1.84
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	2	1.84
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	2	1.84
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	2	1.84
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	2	1.84
(1,44)	1:159:A:ALA:HB1	1:198:A:HIS:HD2	15	1.84
(1,44)	1:159:A:ALA:HB2	1:198:A:HIS:HD2	15	1.84
(1,44)	1:159:A:ALA:HB3	1:198:A:HIS:HD2	15	1.84
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	11	1.84
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	11	1.84
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	11	1.84
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	11	1.84
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	11	1.84
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	11	1.84
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	13	1.84
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	13	1.84
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	13	1.84
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	14	1.84
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	14	1.84
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	14	1.84
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	14	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	7	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	7	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	11	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	11	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	16	1.84
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	16	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	15	1.84
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	15	1.84
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	1	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	1	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	1	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	6	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	6	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	6	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	8	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	8	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	8	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	8	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	9	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	9	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	9	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	9	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	18	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	18	1.83
(1,2226)	1:136:A:ILE:HG12	1:136:A:ILE:H	18	1.83
(1,2226)	1:136:A:ILE:HG13	1:136:A:ILE:H	18	1.83
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	10	1.83
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	10	1.83
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	10	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	12	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	12	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	12	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	12	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	12	1.83
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	12	1.83
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	15	1.83
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	15	1.83
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	15	1.83
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	6	1.83
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	6	1.83
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	6	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	1	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	1	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	1	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	1	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	1	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	1	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	2	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	2	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	2	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	2	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	2	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	10	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	10	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	10	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	10	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	10	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	10	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	17	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	17	1.83
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	17	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	17	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	17	1.83
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	17	1.83
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	19	1.83
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	19	1.83
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	19	1.83
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	19	1.83
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	19	1.83
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	19	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	6	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	6	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	6	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	19	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	19	1.83
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	19	1.83
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	16	1.83
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	16	1.83
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	16	1.83
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	16	1.83
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	16	1.83
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	16	1.83
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	16	1.83
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	16	1.83
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	16	1.83
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	16	1.83
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	16	1.83
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	16	1.83
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	5	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	5	1.83
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	5	1.83
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	10	1.83
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	10	1.83
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	10	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	4	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	4	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	4	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	4	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	4	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	4	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	10	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	10	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	10	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	10	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	10	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	10	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	15	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	15	1.83
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	15	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	15	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	15	1.83
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	15	1.83
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG21	19	1.83
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG22	19	1.83
(1,1989)	1:24:A:LEU:HG	1:72:A:VAL:HG23	19	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	18	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	18	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	18	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	19	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	19	1.83
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	19	1.83
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	18	1.83
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	18	1.83
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	18	1.83
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	19	1.83
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	19	1.83
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	19	1.83
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	4	1.83
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	4	1.83
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	4	1.83
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	20	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	20	1.83
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	20	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	4	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	4	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	4	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	15	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	15	1.83
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	15	1.83
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	4	1.83
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	4	1.83
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	4	1.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	10	1.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	10	1.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	10	1.83
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	15	1.83
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	15	1.83
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	15	1.83
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	4	1.83
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	4	1.83
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	4	1.83
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	4	1.83
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	4	1.83
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	4	1.83
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	17	1.83
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	17	1.83
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	17	1.83
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	17	1.83
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	17	1.83
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	17	1.83
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	1	1.83
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	19	1.83
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	19	1.83
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	4	1.83
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	4	1.83
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	16	1.83
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	16	1.83
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	16	1.83
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	16	1.83
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	3	1.83
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	3	1.83
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	7	1.83
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	7	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	10	1.83
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	10	1.83
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	10	1.83
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	1	1.83
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	1	1.83
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	1	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	18	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	18	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	18	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	19	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	19	1.83
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	19	1.83
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	20	1.83
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	20	1.83
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	17	1.83
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	11	1.83
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	15	1.83
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	3	1.83
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	5	1.83
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	19	1.83
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	3	1.83
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	3	1.83
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	3	1.83
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	3	1.83
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	3	1.83
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	3	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	4	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	4	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	4	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	12	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	12	1.83
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	12	1.83
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	19	1.83
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	19	1.83
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	9	1.83
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	9	1.83
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	9	1.83
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	3	1.83
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	2	1.83
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	2	1.83
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	2	1.83
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	3	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	3	1.83
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	6	1.83
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	6	1.83
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	6	1.83
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	3	1.83
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	3	1.83
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	3	1.83
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	9	1.83
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	9	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	1	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	1	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	1	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	11	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	11	1.83
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	11	1.83
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	1	1.83
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	1	1.83
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	11	1.83
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	11	1.83
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	1	1.83
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	19	1.83
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	16	1.83
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	5	1.83
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	5	1.83
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	18	1.83
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	18	1.83
(1,502)	1:93:A:ILE:HD11	1:106:A:ASP:HA	14	1.83
(1,502)	1:93:A:ILE:HD12	1:106:A:ASP:HA	14	1.83
(1,502)	1:93:A:ILE:HD13	1:106:A:ASP:HA	14	1.83
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	1	1.83
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	1	1.83
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	1	1.83
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	11	1.83
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	11	1.83
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	11	1.83
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	1	1.83
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	1	1.83
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	1	1.83
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	1	1.83
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	17	1.83
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	17	1.83
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	17	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	10	1.83
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	10	1.83
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	10	1.83
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	10	1.83
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	10	1.83
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	10	1.83
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	11	1.83
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	11	1.83
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	11	1.83
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	11	1.83
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	11	1.83
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	11	1.83
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	2	1.83
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	2	1.83
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	2	1.83
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	6	1.83
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	12	1.83
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	12	1.83
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	13	1.83
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	13	1.83
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	13	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	7	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	7	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	7	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	7	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	7	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	7	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	8	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	8	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	8	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	8	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	8	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	8	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	20	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	20	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	20	1.83
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	20	1.83
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	20	1.83
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	20	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	1	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	1	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	2	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	3	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	3	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	4	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	4	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	10	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	10	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	12	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	12	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	14	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	14	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	18	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	18	1.83
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	19	1.83
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	19	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	2	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	2	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	2	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	9	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	9	1.83
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	9	1.83
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	6	1.83
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	6	1.83
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	14	1.83
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	18	1.83
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	18	1.83
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	18	1.83
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	10	1.83
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	10	1.83
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	10	1.83
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	15	1.83
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	15	1.83
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	15	1.83
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	2	1.83
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	2	1.83
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	2	1.83
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	2	1.83
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	2	1.83
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	2	1.83
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	2	1.83
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	2	1.83
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	2	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	8	1.83
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	20	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	3	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	3	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	3	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	18	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	18	1.83
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	18	1.83
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	3	1.83
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	3	1.83
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	3	1.83
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	7	1.83
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	7	1.83
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	7	1.83
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	10	1.83
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	10	1.83
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	16	1.83
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	16	1.83
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	16	1.83
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	3	1.83
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	3	1.83
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	3	1.83
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	3	1.83
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	19	1.83
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	19	1.83
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	19	1.83
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	19	1.83
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	18	1.83
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	18	1.83
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	4	1.82
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	4	1.82
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	4	1.82
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	15	1.82
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	15	1.82
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	15	1.82
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.82
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.82
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.82
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG11	1	1.82
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG12	1	1.82
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG13	1	1.82
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG21	1	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG22	1	1.82
(1,2208)	1:91:A:TYR:H	1:127:A:VAL:HG23	1	1.82
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.82
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.82
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	3	1.82
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	3	1.82
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	1.82
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	1.82
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	3	1.82
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	3	1.82
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	3	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	6	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	6	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	6	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	6	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	6	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	6	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	7	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	7	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	7	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	7	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	7	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	7	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	9	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	9	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	9	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	9	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	9	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	9	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	13	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	13	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	13	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	13	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	13	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	13	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	20	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	20	1.82
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	20	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	20	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	20	1.82
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	20	1.82
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	4	1.82
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	4	1.82
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	4	1.82
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	4	1.82
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	4	1.82
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	4	1.82
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	20	1.82
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	20	1.82
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	20	1.82
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	10	1.82
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	10	1.82
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	10	1.82
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.82
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	16	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	16	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	16	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	16	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	16	1.82
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	16	1.82
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	16	1.82
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	16	1.82
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	16	1.82
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	16	1.82
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	16	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	16	1.82
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	16	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	1.82
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	1.82
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	8	1.82
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	8	1.82
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	8	1.82
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	8	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	8	1.82
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	8	1.82
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	8	1.82
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	8	1.82
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	8	1.82
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	7	1.82
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	7	1.82
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	7	1.82
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.82
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.82
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	3	1.82
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	3	1.82
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	3	1.82
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	14	1.82
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	14	1.82
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	14	1.82
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	5	1.82
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	5	1.82
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	5	1.82
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	3	1.82
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	3	1.82
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	3	1.82
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	3	1.82
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	3	1.82
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	3	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	2	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	2	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	2	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	10	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	10	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	10	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	18	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	18	1.82
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	18	1.82
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	9	1.82
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	9	1.82
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	9	1.82
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG11	8	1.82
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG12	8	1.82
(1,1855)	1:105:A:VAL:HA	1:105:A:VAL:HG13	8	1.82
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	11	1.82
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	11	1.82
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	11	1.82
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	11	1.82
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	11	1.82
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	11	1.82
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	11	1.82
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	11	1.82
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	11	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	14	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	14	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	14	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD11	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD12	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD13	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	15	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	15	1.82
(1,1800)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	15	1.82
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	20	1.82
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	13	1.82
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	10	1.82
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	10	1.82
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	13	1.82
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	13	1.82
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	8	1.82
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	8	1.82
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	20	1.82
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	13	1.82
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	3	1.82
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	3	1.82
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	17	1.82
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	17	1.82
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	6	1.82
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	6	1.82
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	9	1.82
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	9	1.82
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	9	1.82
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	18	1.82
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	18	1.82
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	18	1.82
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	18	1.82
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	1	1.82
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	1	1.82
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	1	1.82
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	4	1.82
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	4	1.82
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	4	1.82
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	5	1.82
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	5	1.82
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	5	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	11	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	11	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	11	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	13	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	13	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	13	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	15	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	15	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	15	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	16	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	16	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	16	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	18	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	18	1.82
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	18	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	9	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	9	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	9	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	14	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	14	1.82
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	14	1.82
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	13	1.82
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	13	1.82
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	6	1.82
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	6	1.82
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	11	1.82
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	10	1.82
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	10	1.82
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	10	1.82
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	7	1.82
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	7	1.82
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	17	1.82
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	17	1.82
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	17	1.82
(1,716)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	2	1.82
(1,716)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	2	1.82
(1,716)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	2	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	13	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	13	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	13	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	1.82
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	1.82
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB1	9	1.82
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB2	9	1.82
(1,629)	1:4:A:ALA:H	1:4:A:ALA:HB3	9	1.82
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	5	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	5	1.82
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	6	1.82
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	6	1.82
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	8	1.82
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	8	1.82
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	7	1.82
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	7	1.82
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	6	1.82
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	6	1.82
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	9	1.82
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	9	1.82
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	9	1.82
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	12	1.82
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	12	1.82
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	13	1.82
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	13	1.82
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	13	1.82
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	18	1.82
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	18	1.82
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	18	1.82
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	18	1.82
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	20	1.82
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	20	1.82
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	20	1.82
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	20	1.82
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	20	1.82
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	20	1.82
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	9	1.82
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	9	1.82
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	18	1.82
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	18	1.82
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	18	1.82
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	5	1.82
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	15	1.82
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	14	1.82
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	19	1.82
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	1.82
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	19	1.82
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	19	1.82
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	10	1.82
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	10	1.82
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	10	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	14	1.82
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	14	1.82
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	14	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	12	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	12	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	12	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	12	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	12	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	12	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	16	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	16	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	16	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	16	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	16	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	16	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	19	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	19	1.82
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	19	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	19	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	19	1.82
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	19	1.82
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	17	1.82
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	17	1.82
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	17	1.82
(1,344)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	17	1.82
(1,344)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	17	1.82
(1,344)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	17	1.82
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	15	1.82
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	15	1.82
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	15	1.82
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	15	1.82
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	11	1.82
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	11	1.82
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	15	1.82
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	15	1.82
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	16	1.82
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	16	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	20	1.82
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	20	1.82
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	10	1.82
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	10	1.82
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	10	1.82
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	19	1.82
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	19	1.82
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	19	1.82
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	3	1.82
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	3	1.82
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	2	1.82
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	2	1.82
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	2	1.82
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	1	1.82
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	19	1.82
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	18	1.82
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	18	1.82
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	18	1.82
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	18	1.82
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	18	1.82
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	18	1.82
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	10	1.82
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	10	1.82
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	10	1.82
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	14	1.82
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	14	1.82
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	14	1.82
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	15	1.82
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	15	1.82
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	15	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	4	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	4	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	4	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	4	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	4	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	4	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	5	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	5	1.82
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	5	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	5	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	5	1.82
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	5	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	2	1.82
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	2	1.82
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	2	1.82
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	15	1.82
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	19	1.82
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	9	1.82
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	9	1.82
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	9	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	6	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	6	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	6	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	16	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	16	1.82
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	16	1.82
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	1	1.82
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	1	1.82
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	1	1.82
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	1	1.82
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	13	1.82
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	13	1.82
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	13	1.82
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	13	1.82
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	1	1.82
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	1	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	3	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	3	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	3	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	3	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	3	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	3	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	18	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	18	1.82
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	18	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	18	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	18	1.82
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	18	1.82
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	9	1.82
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	9	1.82
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	3	1.82
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	3	1.82
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	4	1.82
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	4	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	4	1.82
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	4	1.82
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.81
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	17	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	1.81
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	3	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	3	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	3	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	3	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	3	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	3	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	11	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	11	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	11	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	11	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	11	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	11	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	15	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	15	1.81
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	15	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	15	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	15	1.81
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	15	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	12	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	12	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	12	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	12	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	12	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	12	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	12	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	12	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	15	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	15	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	15	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	19	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	19	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	19	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	19	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	19	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	19	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	19	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	19	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	19	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	19	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	19	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	19	1.81
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	19	1.81
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	20	1.81
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	20	1.81
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	20	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	3	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	3	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	3	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	3	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	3	1.81
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	3	1.81
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	3	1.81
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.81
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	10	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	10	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	10	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	15	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	15	1.81
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	15	1.81
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	1	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	1	1.81
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	1	1.81
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	1	1.81
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	1	1.81
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	1	1.81
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	1	1.81
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	1	1.81
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	1	1.81
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	3	1.81
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	3	1.81
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	3	1.81
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	3	1.81
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	3	1.81
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	3	1.81
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	3	1.81
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	3	1.81
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	3	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	17	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	1.81
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	1.81
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	13	1.81
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	13	1.81
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	13	1.81
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	18	1.81
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	18	1.81
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	18	1.81
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	10	1.81
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	10	1.81
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	10	1.81
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	10	1.81
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	10	1.81
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	10	1.81
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	16	1.81
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	16	1.81
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	16	1.81
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	16	1.81
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	16	1.81
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	16	1.81
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	19	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	19	1.81
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	19	1.81
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	19	1.81
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	19	1.81
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	19	1.81
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	19	1.81
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	19	1.81
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	19	1.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	4	1.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	4	1.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	4	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	3	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	3	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	3	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	3	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	3	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	3	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	3	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	3	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	3	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	19	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	19	1.81
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	19	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	19	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	19	1.81
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	19	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	19	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	19	1.81
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	19	1.81
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	7	1.81
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	7	1.81
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	7	1.81
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	7	1.81
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	7	1.81
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	7	1.81
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	7	1.81
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	7	1.81
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	7	1.81
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	9	1.81
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	9	1.81
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	9	1.81
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	9	1.81
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	9	1.81
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	19	1.81
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	19	1.81
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	19	1.81
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	7	1.81
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	7	1.81
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	7	1.81
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	15	1.81
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	15	1.81
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	15	1.81
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	15	1.81
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	15	1.81
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	15	1.81
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	15	1.81
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	15	1.81
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	15	1.81
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	2	1.81
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	2	1.81
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	2	1.81
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	13	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	13	1.81
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	13	1.81
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	11	1.81
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	11	1.81
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	11	1.81
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	2	1.81
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	8	1.81
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	8	1.81
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	1	1.81
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	1	1.81
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	1	1.81
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	5	1.81
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	5	1.81
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	5	1.81
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	7	1.81
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	1	1.81
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	1	1.81
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	5	1.81
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	5	1.81
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	5	1.81
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	5	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	6	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	6	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	9	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	9	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	13	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	13	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	18	1.81
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	18	1.81
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	17	1.81
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	17	1.81
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	2	1.81
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	14	1.81
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	4	1.81
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	4	1.81
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	12	1.81
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	12	1.81
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	12	1.81
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	19	1.81
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	19	1.81
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	19	1.81
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	9	1.81
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	2	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	2	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	2	1.81
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	7	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	7	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	7	1.81
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	12	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	12	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	12	1.81
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	19	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	19	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	19	1.81
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	20	1.81
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	20	1.81
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	20	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	6	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	6	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	6	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	9	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	9	1.81
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	9	1.81
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	3	1.81
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	3	1.81
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	3	1.81
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	10	1.81
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	10	1.81
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	10	1.81
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	15	1.81
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	15	1.81
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	15	1.81
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	18	1.81
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	18	1.81
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	1	1.81
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	12	1.81
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	19	1.81
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	19	1.81
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	5	1.81
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	5	1.81
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	5	1.81
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	7	1.81
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	7	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	7	1.81
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	2	1.81
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	2	1.81
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	2	1.81
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	9	1.81
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	9	1.81
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	9	1.81
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	20	1.81
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	20	1.81
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	6	1.81
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	6	1.81
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	6	1.81
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	11	1.81
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	11	1.81
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	19	1.81
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	19	1.81
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	19	1.81
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	19	1.81
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	19	1.81
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	19	1.81
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	19	1.81
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	19	1.81
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	19	1.81
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	20	1.81
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	20	1.81
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	14	1.81
(1,556)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	14	1.81
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	14	1.81
(1,556)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	14	1.81
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	1	1.81
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	1	1.81
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	6	1.81
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	6	1.81
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	3	1.81
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	3	1.81
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	3	1.81
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	9	1.81
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	9	1.81
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	9	1.81
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	10	1.81
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	10	1.81
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	10	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	18	1.81
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	18	1.81
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	17	1.81
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	17	1.81
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	5	1.81
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	5	1.81
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	5	1.81
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	5	1.81
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	5	1.81
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	5	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	5	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	5	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	5	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	7	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	7	1.81
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	7	1.81
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	10	1.81
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	11	1.81
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	3	1.81
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	3	1.81
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	3	1.81
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	17	1.81
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	17	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	14	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	14	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	14	1.81
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	14	1.81
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	14	1.81
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	14	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	14	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	14	1.81
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	14	1.81
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	5	1.81
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	5	1.81
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	5	1.81
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	5	1.81
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	5	1.81
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	20	1.81
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	20	1.81
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	20	1.81
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	9	1.81
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	9	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	11	1.81
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	12	1.81
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	13	1.81
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	2	1.81
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	2	1.81
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	2	1.81
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	18	1.81
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	18	1.81
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	18	1.81
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	17	1.81
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	17	1.81
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	17	1.81
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	17	1.81
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	17	1.81
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	17	1.81
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	17	1.81
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	17	1.81
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	17	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	6	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	6	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	6	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	6	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	6	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	6	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	6	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	6	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	6	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	8	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	8	1.81
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	8	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	8	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	8	1.81
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	8	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	8	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	8	1.81
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	8	1.81
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	20	1.81
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	20	1.81
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	20	1.81
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	20	1.81
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	20	1.81
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	20	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	20	1.81
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	20	1.81
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	20	1.81
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	20	1.81
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	20	1.81
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	20	1.81
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	20	1.81
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	20	1.81
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	20	1.81
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	8	1.81
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	8	1.81
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	8	1.81
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	3	1.81
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	3	1.81
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	3	1.81
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	3	1.81
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	8	1.81
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	8	1.81
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	8	1.81
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	3	1.81
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	3	1.81
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	3	1.81
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	17	1.81
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	17	1.81
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	17	1.81
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	15	1.81
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	15	1.81
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	6	1.81
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	6	1.81
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	16	1.8
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	16	1.8
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	16	1.8
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2205)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.8
(1,2205)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.8
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	3	1.8
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	3	1.8
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	3	1.8
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	4	1.8
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	4	1.8
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	1.8
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	1.8
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	12	1.8
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	12	1.8
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	12	1.8
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	14	1.8
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	14	1.8
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	14	1.8
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	14	1.8
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	14	1.8
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	14	1.8
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	10	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	10	1.8
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	10	1.8
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	10	1.8
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	10	1.8
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	10	1.8
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	10	1.8
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	10	1.8
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	10	1.8
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	10	1.8
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	10	1.8
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	10	1.8
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	10	1.8
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	3	1.8
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	3	1.8
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	3	1.8
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	3	1.8
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	3	1.8
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	3	1.8
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	12	1.8
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	12	1.8
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	12	1.8
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	15	1.8
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	15	1.8
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	15	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	17	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	17	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	17	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	17	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	17	1.8
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	17	1.8
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	17	1.8
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	5	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	5	1.8
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	5	1.8
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	5	1.8
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	5	1.8
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	5	1.8
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.8
(1,2073)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.8
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	19	1.8
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	19	1.8
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	19	1.8
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	19	1.8
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	19	1.8
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	19	1.8
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	19	1.8
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	19	1.8
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	19	1.8
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	8	1.8
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	8	1.8
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	8	1.8
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	8	1.8
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	8	1.8
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	8	1.8
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	8	1.8
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	8	1.8
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	8	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	1.8
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	6	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	6	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	6	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	6	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	6	1.8
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	6	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	6	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	6	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	6	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	6	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	6	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	6	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	6	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	6	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	6	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	7	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	7	1.8
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	7	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	7	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	7	1.8
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	7	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	7	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	7	1.8
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	7	1.8
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	20	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	20	1.8
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	20	1.8
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	20	1.8
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	20	1.8
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	20	1.8
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	20	1.8
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	20	1.8
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	20	1.8
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	5	1.8
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	5	1.8
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	5	1.8
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	5	1.8
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	5	1.8
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	5	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	16	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	16	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	16	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	20	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	20	1.8
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	20	1.8
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	8	1.8
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	8	1.8
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	8	1.8
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	15	1.8
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	15	1.8
(1,1845)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	15	1.8
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	19	1.8
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	1	1.8
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	1	1.8
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	20	1.8
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	20	1.8
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	20	1.8
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	14	1.8
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	14	1.8
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	7	1.8
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	7	1.8
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	5	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	2	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	2	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	3	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	3	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	4	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	4	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	8	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	8	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	10	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	10	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	12	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	12	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	13	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	13	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	14	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	14	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	16	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	16	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	18	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	18	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	20	1.8
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	20	1.8
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	16	1.8
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	16	1.8
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	16	1.8
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	16	1.8
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	16	1.8
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	10	1.8
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	10	1.8
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	10	1.8
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	15	1.8
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	15	1.8
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	15	1.8
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	19	1.8
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	19	1.8
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	19	1.8
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	13	1.8
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	13	1.8
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	13	1.8
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	13	1.8
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	7	1.8
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	7	1.8
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	7	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	3	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	3	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	3	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	11	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	11	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	11	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	13	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	13	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	13	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	14	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	14	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	14	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	15	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	15	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	15	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	16	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	16	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	16	1.8
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	18	1.8
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	18	1.8
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	18	1.8
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	13	1.8
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	13	1.8
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	13	1.8
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	9	1.8
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	9	1.8
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	9	1.8
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	18	1.8
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	18	1.8
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	18	1.8
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	20	1.8
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	20	1.8
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	20	1.8
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	11	1.8
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	16	1.8
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	10	1.8
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	11	1.8
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	11	1.8
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	11	1.8
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	11	1.8
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	11	1.8
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	11	1.8
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	18	1.8
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	18	1.8
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	18	1.8
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	9	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	9	1.8
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	9	1.8
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	9	1.8
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	9	1.8
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	9	1.8
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	9	1.8
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	9	1.8
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	9	1.8
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	17	1.8
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	17	1.8
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	17	1.8
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	8	1.8
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	8	1.8
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	8	1.8
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	14	1.8
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	14	1.8
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	14	1.8
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	17	1.8
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	17	1.8
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	3	1.8
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	3	1.8
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	3	1.8
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	6	1.8
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	6	1.8
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	16	1.8
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	16	1.8
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	8	1.8
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	8	1.8
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	8	1.8
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	8	1.8
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	8	1.8
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	8	1.8
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	16	1.8
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	16	1.8
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	16	1.8
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	16	1.8
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	16	1.8
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	16	1.8
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	2	1.8
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	2	1.8
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	2	1.8
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	15	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	15	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	15	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	15	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	15	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	15	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	15	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	15	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	16	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	16	1.8
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	16	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	16	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	16	1.8
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	16	1.8
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	15	1.8
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	15	1.8
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	5	1.8
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	5	1.8
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	1	1.8
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	1	1.8
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	1	1.8
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	8	1.8
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	8	1.8
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	11	1.8
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	3	1.8
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	10	1.8
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	14	1.8
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	14	1.8
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	14	1.8
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	14	1.8
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	14	1.8
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	14	1.8
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	4	1.8
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	4	1.8
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	17	1.8
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	17	1.8
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	3	1.8
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	2	1.8
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	2	1.8
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	2	1.8
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	1	1.8
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	1	1.8
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	1	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	6	1.8
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	6	1.8
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	6	1.8
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	6	1.8
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	6	1.8
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	18	1.8
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	18	1.8
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	18	1.8
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	11	1.8
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	11	1.8
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	11	1.8
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	11	1.8
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	11	1.8
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	11	1.8
(1,318)	1:108:A:LEU:HB2	1:109:A:VAL:H	8	1.8
(1,318)	1:108:A:LEU:HB3	1:109:A:VAL:H	8	1.8
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	17	1.8
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	17	1.8
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	17	1.8
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	6	1.8
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	6	1.8
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	6	1.8
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	15	1.8
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	15	1.8
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	15	1.8
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	18	1.8
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	18	1.8
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	18	1.8
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	19	1.8
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	19	1.8
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	19	1.8
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	12	1.8
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	1	1.8
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	1	1.8
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	1	1.8
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	1	1.8
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	1	1.8
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	1	1.8
(1,192)	1:159:A:ALA:HB1	1:198:A:HIS:HB2	14	1.8
(1,192)	1:159:A:ALA:HB2	1:198:A:HIS:HB2	14	1.8
(1,192)	1:159:A:ALA:HB3	1:198:A:HIS:HB2	14	1.8
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	17	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	17	1.8
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	17	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	2	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	2	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	2	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	2	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	2	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	2	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	16	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	16	1.8
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	16	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	16	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	16	1.8
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	16	1.8
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	15	1.8
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	15	1.8
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	15	1.8
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	13	1.8
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	13	1.8
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	13	1.8
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	13	1.8
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	7	1.8
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	7	1.8
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	7	1.8
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	8	1.8
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	9	1.8
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	9	1.8
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	9	1.8
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	5	1.8
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	5	1.8
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	10	1.8
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	10	1.8
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	10	1.8
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	10	1.8
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	17	1.8
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	17	1.8
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	5	1.8
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	5	1.8
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	6	1.79
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	6	1.79
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	6	1.79
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	6	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	6	1.79
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	6	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	1	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	1	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	1	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG11	12	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG12	12	1.79
(1,2170)	1:91:A:TYR:H	1:127:A:VAL:HG13	12	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	1.79
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	1.79
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	16	1.79
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	16	1.79
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	16	1.79
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	16	1.79
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	16	1.79
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	16	1.79
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	9	1.79
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	9	1.79
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	9	1.79
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	8	1.79
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	8	1.79
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	8	1.79
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	8	1.79
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	8	1.79
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	8	1.79
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	8	1.79
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	12	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	12	1.79
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	12	1.79
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	15	1.79
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	15	1.79
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	15	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	4	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	4	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	6	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	6	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	6	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	6	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	6	1.79
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	6	1.79
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	6	1.79
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	1.79
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	1.79
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	1.79
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	3	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	3	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	3	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	14	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	14	1.79
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	14	1.79
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	7	1.79
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	7	1.79
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	7	1.79
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	7	1.79
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	7	1.79
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	7	1.79
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	3	1.79
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	3	1.79
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	3	1.79
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	3	1.79
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	3	1.79
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	3	1.79
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	3	1.79
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	3	1.79
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	3	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	19	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	19	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	19	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	19	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	19	1.79
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	19	1.79
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	17	1.79
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	17	1.79
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	1.79
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	1.79
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE1	17	1.79
(1,1929)	1:189:A:LEU:HD11	1:224:A:PHE:HE2	17	1.79
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE1	17	1.79
(1,1929)	1:189:A:LEU:HD12	1:224:A:PHE:HE2	17	1.79
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE1	17	1.79
(1,1929)	1:189:A:LEU:HD13	1:224:A:PHE:HE2	17	1.79
(1,1924)	1:69:A:VAL:HG21	1:158:A:HIS:HA	17	1.79
(1,1924)	1:69:A:VAL:HG22	1:158:A:HIS:HA	17	1.79
(1,1924)	1:69:A:VAL:HG23	1:158:A:HIS:HA	17	1.79
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	3	1.79
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	3	1.79
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	3	1.79
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	3	1.79
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	3	1.79
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	3	1.79
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	14	1.79
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	14	1.79
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	14	1.79
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	14	1.79
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	14	1.79
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	14	1.79
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	14	1.79
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	14	1.79
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	14	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	9	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	9	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	9	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	12	1.79
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	12	1.79
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	12	1.79
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	16	1.79
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	16	1.79
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	16	1.79
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	9	1.79
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	9	1.79
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	9	1.79
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	8	1.79
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	8	1.79
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	8	1.79
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	15	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	15	1.79
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	15	1.79
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	18	1.79
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	18	1.79
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	10	1.79
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	17	1.79
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	17	1.79
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB3	11	1.79
(1,1609)	1:238:A:TYR:H	1:238:A:TYR:HB2	11	1.79
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	5	1.79
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	5	1.79
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB2	15	1.79
(1,1575)	1:213:A:TYR:H	1:213:A:TYR:HB3	15	1.79
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	3	1.79
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	17	1.79
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	17	1.79
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG2	17	1.79
(1,1505)	1:21:A:ARG:H	1:21:A:ARG:HG3	17	1.79
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	5	1.79
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	5	1.79
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	5	1.79
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	6	1.79
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	6	1.79
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	6	1.79
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	17	1.79
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	17	1.79
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	17	1.79
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA2	8	1.79
(1,1251)	1:95:A:SER:H	1:137:A:GLY:HA3	8	1.79
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	7	1.79
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	7	1.79
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	7	1.79
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	19	1.79
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	19	1.79
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	19	1.79
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	13	1.79
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	2	1.79
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	3	1.79
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	6	1.79
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	7	1.79
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	16	1.79
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	17	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	17	1.79
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	13	1.79
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	20	1.79
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	20	1.79
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	5	1.79
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	5	1.79
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	5	1.79
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	5	1.79
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	5	1.79
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	5	1.79
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	1	1.79
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	1	1.79
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	1	1.79
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	11	1.79
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	11	1.79
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	11	1.79
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	11	1.79
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	11	1.79
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	11	1.79
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	11	1.79
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	11	1.79
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	11	1.79
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	1	1.79
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	1	1.79
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	1	1.79
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	2	1.79
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	2	1.79
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	2	1.79
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	9	1.79
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	9	1.79
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	9	1.79
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	17	1.79
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	17	1.79
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	17	1.79
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	18	1.79
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	18	1.79
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	18	1.79
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	13	1.79
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	13	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	4	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	4	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	6	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	6	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	6	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	7	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	7	1.79
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	7	1.79
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	13	1.79
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	13	1.79
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	13	1.79
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	19	1.79
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	19	1.79
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	4	1.79
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	4	1.79
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	13	1.79
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	13	1.79
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	19	1.79
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	19	1.79
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	19	1.79
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	19	1.79
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	19	1.79
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	19	1.79
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	19	1.79
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	19	1.79
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	19	1.79
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	2	1.79
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	2	1.79
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	2	1.79
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	13	1.79
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	13	1.79
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	4	1.79
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	4	1.79
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	2	1.79
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	2	1.79
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	3	1.79
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	3	1.79
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	11	1.79
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	11	1.79
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	3	1.79
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	3	1.79
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.79
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.79
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	4	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	4	1.79
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	4	1.79
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	12	1.79
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	12	1.79
(1,496)	1:93:A:ILE:HG12	1:136:A:ILE:HB	12	1.79
(1,496)	1:93:A:ILE:HG13	1:136:A:ILE:HB	12	1.79
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	18	1.79
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	18	1.79
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	18	1.79
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	18	1.79
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	11	1.79
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	11	1.79
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	11	1.79
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	11	1.79
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	11	1.79
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	11	1.79
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	2	1.79
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	5	1.79
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	17	1.79
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	8	1.79
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	7	1.79
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	7	1.79
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	7	1.79
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	7	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	13	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	13	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	13	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.79
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.79
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	15	1.79
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	15	1.79
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	15	1.79
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	10	1.79
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	10	1.79
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	10	1.79
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	10	1.79
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	10	1.79
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	10	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	3	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	3	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	3	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	3	1.79
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	3	1.79
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	3	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	3	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	3	1.79
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	3	1.79
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	2	1.79
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	2	1.79
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	18	1.79
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	18	1.79
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	11	1.79
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	11	1.79
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	11	1.79
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	10	1.79
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	10	1.79
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	2	1.79
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	2	1.79
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	2	1.79
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	3	1.79
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	3	1.79
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	3	1.79
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	5	1.79
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	5	1.79
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	5	1.79
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	10	1.79
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	10	1.79
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	10	1.79
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	4	1.79
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	17	1.79
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	12	1.79
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	12	1.79
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	12	1.79
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	17	1.79
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	17	1.79
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	17	1.79
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	17	1.79
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	17	1.79
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	17	1.79
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	17	1.79
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	17	1.79
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	17	1.79
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	5	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	5	1.79
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	5	1.79
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	5	1.79
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	5	1.79
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	5	1.79
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	5	1.79
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	5	1.79
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	5	1.79
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	12	1.79
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	12	1.79
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	12	1.79
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG21	1	1.79
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG22	1	1.79
(1,103)	1:131:A:THR:HA	1:131:A:THR:HG23	1	1.79
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	17	1.79
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	1	1.79
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	1	1.79
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	1	1.79
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	8	1.79
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	8	1.79
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	8	1.79
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	11	1.79
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	11	1.79
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	11	1.79
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	11	1.79
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	20	1.79
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	20	1.79
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	20	1.79
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	20	1.79
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	4	1.79
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	4	1.79
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	13	1.79
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	13	1.79
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	3	1.79
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	3	1.79
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	3	1.79
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	6	1.79
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	6	1.79
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	6	1.79
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	6	1.79
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	19	1.79
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	19	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	3	1.79
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	3	1.79
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	5	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	5	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	5	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	17	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	17	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	17	1.78
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG21	19	1.78
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG22	19	1.78
(1,2223)	1:128:A:VAL:H	1:128:A:VAL:HG23	19	1.78
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	6	1.78
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	6	1.78
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	6	1.78
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	17	1.78
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	17	1.78
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	17	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	1.78
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	1.78
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	1	1.78
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	1	1.78
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	1	1.78
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	1	1.78
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	1	1.78
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	1	1.78
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	9	1.78
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	9	1.78
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	9	1.78
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	10	1.78
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	10	1.78
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	10	1.78
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	10	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	10	1.78
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	10	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	11	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	11	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	13	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	13	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	19	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	19	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	19	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	19	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	19	1.78
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	19	1.78
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	19	1.78
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	9	1.78
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	9	1.78
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	9	1.78
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	12	1.78
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	12	1.78
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	16	1.78
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	16	1.78
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	16	1.78
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	16	1.78
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	16	1.78
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	16	1.78
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	16	1.78
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	16	1.78
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	16	1.78
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	3	1.78
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	3	1.78
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	3	1.78
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	3	1.78
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	3	1.78
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	3	1.78
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	3	1.78
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	3	1.78
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	3	1.78
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	10	1.78
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	10	1.78
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	10	1.78
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	5	1.78
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	5	1.78
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	5	1.78
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	5	1.78
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	5	1.78
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	5	1.78
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	5	1.78
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	5	1.78
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	5	1.78
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	9	1.78
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	9	1.78
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	9	1.78
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	9	1.78
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	9	1.78
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	9	1.78
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	9	1.78
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	9	1.78
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	9	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	1.78
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	1.78
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	2	1.78
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	2	1.78
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	2	1.78
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	2	1.78
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	2	1.78
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	2	1.78
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	9	1.78
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	9	1.78
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	9	1.78
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	9	1.78
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	9	1.78
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	9	1.78
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	15	1.78
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	15	1.78
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	15	1.78
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	18	1.78
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	18	1.78
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	18	1.78
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	18	1.78
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	18	1.78
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	18	1.78
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	18	1.78
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	18	1.78
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	18	1.78
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	1	1.78
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	1	1.78
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	1	1.78
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	13	1.78
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	13	1.78
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	13	1.78
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	12	1.78
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	12	1.78
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	12	1.78
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	12	1.78
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	12	1.78
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	12	1.78
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	12	1.78
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	12	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	14	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	14	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	14	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	15	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	15	1.78
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	15	1.78
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	17	1.78
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	17	1.78
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	17	1.78
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	17	1.78
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	17	1.78
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	17	1.78
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	17	1.78
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	17	1.78
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	17	1.78
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	6	1.78
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	6	1.78
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	6	1.78
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG21	19	1.78
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG22	19	1.78
(1,1870)	1:89:A:VAL:HA	1:89:A:VAL:HG23	19	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	4	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	4	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	4	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	19	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	19	1.78
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	19	1.78
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	3	1.78
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	3	1.78
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	3	1.78
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	4	1.78
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	4	1.78
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	4	1.78
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	2	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	2	1.78
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	2	1.78
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	18	1.78
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	18	1.78
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	18	1.78
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	4	1.78
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	4	1.78
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	4	1.78
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	3	1.78
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	3	1.78
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	3	1.78
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	3	1.78
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	6	1.78
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	7	1.78
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	7	1.78
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	19	1.78
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	19	1.78
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	9	1.78
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	9	1.78
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	9	1.78
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	4	1.78
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	4	1.78
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	4	1.78
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	4	1.78
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	13	1.78
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	13	1.78
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	13	1.78
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	3	1.78
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	3	1.78
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	3	1.78
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	8	1.78
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	8	1.78
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	8	1.78
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	20	1.78
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	20	1.78
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	20	1.78
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	5	1.78
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	5	1.78
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	5	1.78
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	8	1.78
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	8	1.78
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	1	1.78
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	1	1.78
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	11	1.78
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	13	1.78
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	15	1.78
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	15	1.78
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	1	1.78
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	1	1.78
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	1	1.78
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	1	1.78
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	1	1.78
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	1	1.78
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	11	1.78
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	11	1.78
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	11	1.78
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	11	1.78
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	11	1.78
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	11	1.78
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	8	1.78
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	8	1.78
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	8	1.78
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	3	1.78
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	3	1.78
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	3	1.78
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	3	1.78
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	3	1.78
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	3	1.78
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	3	1.78
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	3	1.78
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	3	1.78
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	3	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	3	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	3	1.78
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	10	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	10	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	10	1.78
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	12	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	12	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	12	1.78
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	15	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	15	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	15	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	16	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	16	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	16	1.78
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	19	1.78
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	19	1.78
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	19	1.78
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	5	1.78
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	5	1.78
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	3	1.78
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	3	1.78
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	3	1.78
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	11	1.78
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	11	1.78
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	11	1.78
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	12	1.78
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	12	1.78
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	12	1.78
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	12	1.78
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	12	1.78
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	12	1.78
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	8	1.78
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA2	8	1.78
(1,719)	1:94:A:VAL:HB	1:137:A:GLY:HA3	8	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	13	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	13	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	13	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	20	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	20	1.78
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	20	1.78
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	5	1.78
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	5	1.78
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	5	1.78
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	20	1.78
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	20	1.78
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	15	1.78
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	15	1.78
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	17	1.78
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	17	1.78
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	17	1.78
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	17	1.78
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	17	1.78
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	17	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	7	1.78
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	7	1.78
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	7	1.78
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	19	1.78
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	19	1.78
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	8	1.78
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	8	1.78
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	18	1.78
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	18	1.78
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.78
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.78
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	9	1.78
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	12	1.78
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	12	1.78
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	14	1.78
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	10	1.78
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	10	1.78
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	10	1.78
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	18	1.78
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	12	1.78
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	3	1.78
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	3	1.78
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	3	1.78
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	14	1.78
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	15	1.78
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	7	1.78
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	7	1.78
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	1	1.78
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	5	1.78
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	9	1.78
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	2	1.78
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	2	1.78
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	2	1.78
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	2	1.78
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	2	1.78
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	2	1.78
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	9	1.78
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	9	1.78
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	8	1.78
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	8	1.78
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	8	1.78
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	8	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	8	1.78
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	8	1.78
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	3	1.78
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	3	1.78
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	3	1.78
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	20	1.78
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	20	1.78
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	20	1.78
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	8	1.78
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	8	1.78
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	8	1.78
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	8	1.78
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	8	1.78
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	8	1.78
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	8	1.78
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	8	1.78
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	8	1.78
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	5	1.78
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	5	1.78
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	5	1.78
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	3	1.78
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	3	1.78
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	13	1.78
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	13	1.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	2	1.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	2	1.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	2	1.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	2	1.78
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	14	1.78
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	14	1.78
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	14	1.78
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	14	1.78
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	14	1.78
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	14	1.78
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	17	1.78
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	17	1.78
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	17	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	19	1.78
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	19	1.78
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	19	1.78
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	16	1.78
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	7	1.78
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	7	1.78
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	7	1.78
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	9	1.78
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	9	1.78
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	9	1.78
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	12	1.78
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	12	1.78
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	12	1.78
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	1	1.78
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	1	1.78
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	1	1.78
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	1	1.78
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	1	1.78
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	1	1.78
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	1	1.78
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	1	1.78
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	1	1.78
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	14	1.78
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	14	1.78
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	14	1.78
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	14	1.78
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	14	1.78
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	14	1.78
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	9	1.78
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	17	1.78
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	1.78
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	1	1.78
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	3	1.78
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	3	1.78
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	3	1.78
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	13	1.78
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	13	1.78
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	13	1.78
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	7	1.78
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	7	1.78
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	7	1.78
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	7	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	7	1.78
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	7	1.78
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	7	1.78
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	7	1.78
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	7	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	4	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	4	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	4	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	11	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	11	1.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	11	1.78
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG21	15	1.78
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG22	15	1.78
(1,173)	1:202:A:MET:HE1	1:234:A:ILE:HG23	15	1.78
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG21	15	1.78
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG22	15	1.78
(1,173)	1:202:A:MET:HE2	1:234:A:ILE:HG23	15	1.78
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG21	15	1.78
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG22	15	1.78
(1,173)	1:202:A:MET:HE3	1:234:A:ILE:HG23	15	1.78
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	3	1.78
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	3	1.78
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	3	1.78
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	8	1.78
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	8	1.78
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	8	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	4	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	4	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	4	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	5	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	5	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	5	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	20	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	20	1.78
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	20	1.78
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	7	1.78
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	18	1.78
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	18	1.78
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	18	1.78
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	12	1.78
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	12	1.78
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	12	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	12	1.78
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	13	1.77
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	13	1.77
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	13	1.77
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	19	1.77
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	19	1.77
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	19	1.77
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	20	1.77
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	20	1.77
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	20	1.77
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	15	1.77
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	15	1.77
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	1	1.77
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	1	1.77
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	1	1.77
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	16	1.77
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	16	1.77
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	16	1.77
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	16	1.77
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	16	1.77
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	16	1.77
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	5	1.77
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	5	1.77
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	5	1.77
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	5	1.77
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	5	1.77
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	5	1.77
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	3	1.77
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	3	1.77
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	3	1.77
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	3	1.77
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	3	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	3	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	1	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	1	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	7	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	7	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	8	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	8	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	9	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	9	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	9	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	9	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	9	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	9	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	9	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	12	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	12	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	16	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	16	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	20	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	20	1.77
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	20	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	20	1.77
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	20	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	20	1.77
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	20	1.77
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	20	1.77
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	20	1.77
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	4	1.77
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	4	1.77
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	4	1.77
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	4	1.77
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	4	1.77
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	4	1.77
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	1	1.77
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	1	1.77
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	1	1.77
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	1	1.77
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	1	1.77
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	1	1.77
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	1	1.77
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	1	1.77
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	1	1.77
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	4	1.77
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	4	1.77
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	4	1.77
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	14	1.77
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	14	1.77
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	14	1.77
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	16	1.77
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	16	1.77
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	16	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	5	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	5	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	5	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	5	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	5	1.77
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	5	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	1	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	1	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	1	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	1	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	1	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	1	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	1	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	1	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	1	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	5	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	5	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	5	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	5	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	5	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	5	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	5	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	5	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	5	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	15	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	15	1.77
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	15	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	15	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	15	1.77
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	15	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	15	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	15	1.77
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	15	1.77
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	9	1.77
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	9	1.77
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	9	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	2	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	2	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	2	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	2	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	2	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	2	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	2	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	2	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	2	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	5	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	5	1.77
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	5	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	5	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	5	1.77
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	5	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	5	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	5	1.77
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	5	1.77
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	13	1.77
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	13	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	13	1.77
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	10	1.77
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	10	1.77
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	10	1.77
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	10	1.77
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	10	1.77
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	10	1.77
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	10	1.77
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	10	1.77
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	10	1.77
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	5	1.77
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	5	1.77
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	5	1.77
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	5	1.77
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	5	1.77
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	5	1.77
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	1	1.77
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	1	1.77
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	1	1.77
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	1	1.77
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	1	1.77
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	1	1.77
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	20	1.77
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	20	1.77
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	20	1.77
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	15	1.77
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	15	1.77
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	15	1.77
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	15	1.77
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	15	1.77
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	15	1.77
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	11	1.77
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	11	1.77
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	11	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	9	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	9	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	9	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	10	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	10	1.77
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	10	1.77
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	8	1.77
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	8	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	8	1.77
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	3	1.77
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	18	1.77
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	8	1.77
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	8	1.77
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	8	1.77
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	5	1.77
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	5	1.77
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	7	1.77
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	7	1.77
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	7	1.77
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	11	1.77
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	12	1.77
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	13	1.77
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	13	1.77
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	13	1.77
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	2	1.77
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	2	1.77
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	2	1.77
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	11	1.77
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	11	1.77
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	11	1.77
(1,1275)	1:103:A:ILE:HG21	1:104:A:THR:H	9	1.77
(1,1275)	1:103:A:ILE:HG22	1:104:A:THR:H	9	1.77
(1,1275)	1:103:A:ILE:HG23	1:104:A:THR:H	9	1.77
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	6	1.77
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	6	1.77
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	6	1.77
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	12	1.77
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	12	1.77
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	12	1.77
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	14	1.77
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	14	1.77
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	14	1.77
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	17	1.77
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	17	1.77
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	17	1.77
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	20	1.77
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	20	1.77
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	4	1.77
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	17	1.77
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	10	1.77
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	14	1.77
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	14	1.77
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	14	1.77
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	14	1.77
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	11	1.77
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	11	1.77
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	11	1.77
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	11	1.77
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	11	1.77
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	11	1.77
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	4	1.77
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	4	1.77
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	4	1.77
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	7	1.77
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	7	1.77
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	7	1.77
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	6	1.77
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	6	1.77
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	6	1.77
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	7	1.77
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	7	1.77
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	7	1.77
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	11	1.77
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	11	1.77
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	11	1.77
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	13	1.77
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	13	1.77
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	13	1.77
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	20	1.77
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	20	1.77
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	20	1.77
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	5	1.77
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	5	1.77
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	5	1.77
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	5	1.77
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	5	1.77
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	5	1.77
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	17	1.77
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	17	1.77
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	17	1.77
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	17	1.77
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	17	1.77
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	3	1.77
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	3	1.77
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	12	1.77
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	12	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	5	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	5	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	5	1.77
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	5	1.77
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	5	1.77
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	5	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	5	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	5	1.77
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	5	1.77
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	20	1.77
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	1.77
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	20	1.77
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	10	1.77
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	10	1.77
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	10	1.77
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	10	1.77
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	10	1.77
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	10	1.77
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	18	1.77
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	18	1.77
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	18	1.77
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	18	1.77
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	18	1.77
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	18	1.77
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	3	1.77
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	3	1.77
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	10	1.77
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	10	1.77
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	11	1.77
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	11	1.77
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG21	6	1.77
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG22	6	1.77
(1,581)	1:215:A:THR:HA	1:215:A:THR:HG23	6	1.77
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	16	1.77
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	16	1.77
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	1	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	9	1.77
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	9	1.77
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	9	1.77
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	2	1.77
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	2	1.77
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	2	1.77
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	9	1.77
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	8	1.77
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	6	1.77
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	6	1.77
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	6	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	3	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	3	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	3	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	3	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	3	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	3	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	18	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	18	1.77
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	18	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	18	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	18	1.77
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	18	1.77
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	12	1.77
(1,446)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	12	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	8	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	12	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	13	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	16	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	18	1.77
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	20	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	2	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	2	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	2	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	6	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	6	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	6	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	13	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	13	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	13	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	17	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	17	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	18	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	18	1.77
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	18	1.77
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	11	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	4	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	4	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	4	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	4	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	4	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	4	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	4	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	4	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	4	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	16	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	16	1.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	16	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	16	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	16	1.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	16	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	16	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	16	1.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	16	1.77
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	19	1.77
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	19	1.77
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	19	1.77
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	19	1.77
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	19	1.77
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	19	1.77
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	19	1.77
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	19	1.77
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	19	1.77
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	8	1.77
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	8	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	10	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	10	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	10	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	12	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	12	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	12	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	17	1.77
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	17	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	17	1.77
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	11	1.77
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	11	1.77
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	11	1.77
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	11	1.77
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	11	1.77
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	11	1.77
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	11	1.77
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	11	1.77
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	11	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	3	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	3	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	3	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	3	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	3	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	3	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	6	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	6	1.77
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	6	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	6	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	6	1.77
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	6	1.77
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	8	1.77
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	8	1.77
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	8	1.77
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	8	1.77
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	8	1.77
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	15	1.77
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	15	1.77
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	12	1.77
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	12	1.77
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	12	1.77
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	12	1.77
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	12	1.77
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	12	1.77
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	19	1.77
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	19	1.77
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	19	1.77
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	4	1.77
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	4	1.77
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	2	1.77
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	2	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	2	1.77
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	13	1.77
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	13	1.77
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	13	1.77
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	11	1.77
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	11	1.77
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	11	1.77
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	9	1.77
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	9	1.77
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	9	1.77
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	9	1.77
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	9	1.77
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	9	1.77
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	9	1.77
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	9	1.77
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	9	1.77
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	2	1.77
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	2	1.77
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	2	1.77
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	2	1.77
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	2	1.77
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	2	1.77
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	2	1.77
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	2	1.77
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	2	1.77
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	13	1.77
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	13	1.77
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	13	1.77
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	18	1.77
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	9	1.77
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	15	1.77
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	15	1.77
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	15	1.77
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	12	1.77
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	12	1.77
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	12	1.77
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	20	1.77
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	20	1.77
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	12	1.77
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	12	1.77
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	9	1.77
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	9	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	9	1.77
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	9	1.77
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	9	1.77
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	9	1.77
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	8	1.77
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	8	1.77
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	5	1.77
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	5	1.77
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	5	1.77
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG12	11	1.77
(1,11)	1:91:A:TYR:HD1	1:136:A:ILE:HG13	11	1.77
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG12	11	1.77
(1,11)	1:91:A:TYR:HD2	1:136:A:ILE:HG13	11	1.77
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	2	1.77
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	2	1.77
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	2	1.77
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	2	1.77
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	2	1.77
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	2	1.77
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	16	1.77
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	16	1.77
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	16	1.76
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	16	1.76
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	16	1.76
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	15	1.76
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	15	1.76
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	15	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	2	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	2	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	2	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	3	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	3	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	3	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	4	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	4	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	4	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	7	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	7	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	7	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	9	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	9	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	9	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	14	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	14	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	14	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	16	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	16	1.76
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	16	1.76
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	13	1.76
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	13	1.76
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	13	1.76
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	6	1.76
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	6	1.76
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	6	1.76
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	6	1.76
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	6	1.76
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	6	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	8	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	8	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	8	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	17	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	17	1.76
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	17	1.76
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	13	1.76
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	13	1.76
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	13	1.76
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	13	1.76
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	13	1.76
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	13	1.76
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	13	1.76
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	13	1.76
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	13	1.76
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	7	1.76
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	7	1.76
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	7	1.76
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	7	1.76
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	7	1.76
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	7	1.76
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	7	1.76
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	7	1.76
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	7	1.76
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	1	1.76
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	1	1.76
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	1	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	1	1.76
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	1	1.76
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	1	1.76
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	1	1.76
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	1	1.76
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	1	1.76
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	15	1.76
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	15	1.76
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	15	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	9	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	9	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	9	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	9	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	9	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	9	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	9	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	9	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	9	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	15	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	15	1.76
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	15	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	15	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	15	1.76
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	15	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	15	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	15	1.76
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	15	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	1	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	1	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	1	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	3	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	3	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	3	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	5	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	5	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	5	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	6	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	6	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	6	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	10	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	10	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	10	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	11	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	11	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	11	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	13	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	13	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	13	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	18	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	18	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	18	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	19	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	19	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	19	1.76
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	20	1.76
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	20	1.76
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	20	1.76
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	9	1.76
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	9	1.76
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	19	1.76
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	19	1.76
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	19	1.76
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	19	1.76
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	19	1.76
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	19	1.76
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	19	1.76
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	19	1.76
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	19	1.76
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	9	1.76
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	9	1.76
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	9	1.76
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG11	17	1.76
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG12	17	1.76
(1,1896)	1:72:A:VAL:HA	1:72:A:VAL:HG13	17	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	6	1.76
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	6	1.76
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	6	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	11	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	11	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	11	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	17	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	17	1.76
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	17	1.76
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	15	1.76
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	15	1.76
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	15	1.76
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	8	1.76
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	8	1.76
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	8	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	15	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	15	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	15	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	20	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	20	1.76
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	20	1.76
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	2	1.76
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	2	1.76
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	2	1.76
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	2	1.76
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	1	1.76
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	17	1.76
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	12	1.76
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	15	1.76
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	2	1.76
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	2	1.76
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	2	1.76
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	13	1.76
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	18	1.76
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	12	1.76
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	12	1.76
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	12	1.76
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	12	1.76
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	1	1.76
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	1	1.76
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	1	1.76
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	14	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	14	1.76
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	14	1.76
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA2	12	1.76
(1,1330)	1:116:A:TRP:HE1	1:197:A:GLY:HA3	12	1.76
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	11	1.76
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	11	1.76
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	11	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	13	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	13	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	13	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	14	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	14	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	14	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	16	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	16	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	16	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	18	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	18	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	18	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	19	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	19	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	19	1.76
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	20	1.76
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	20	1.76
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	20	1.76
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	1	1.76
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	17	1.76
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	15	1.76
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	15	1.76
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	9	1.76
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	14	1.76
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	5	1.76
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	5	1.76
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD11	16	1.76
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD12	16	1.76
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD13	16	1.76
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	16	1.76
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	16	1.76
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	16	1.76
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	16	1.76
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	16	1.76
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	16	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	5	1.76
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	5	1.76
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	14	1.76
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	14	1.76
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	14	1.76
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	14	1.76
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	14	1.76
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	14	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	6	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	6	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	6	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	16	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	16	1.76
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	16	1.76
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	3	1.76
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	3	1.76
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	3	1.76
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	12	1.76
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	12	1.76
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	12	1.76
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	12	1.76
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	12	1.76
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	12	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	1	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	1	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	1	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	17	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	17	1.76
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	17	1.76
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	7	1.76
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	7	1.76
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	16	1.76
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	16	1.76
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	16	1.76
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	16	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	3	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	3	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	3	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	3	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	3	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	3	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	3	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	3	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	3	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	18	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	18	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	18	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	18	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	18	1.76
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	18	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	18	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	18	1.76
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	18	1.76
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	2	1.76
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	2	1.76
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	13	1.76
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	13	1.76
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	3	1.76
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	10	1.76
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	10	1.76
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	10	1.76
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	5	1.76
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	5	1.76
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	5	1.76
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	6	1.76
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	11	1.76
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	11	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	9	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	9	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	9	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	12	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	12	1.76
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	12	1.76
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	13	1.76
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	13	1.76
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	17	1.76
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	17	1.76
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	8	1.76
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	8	1.76
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	8	1.76
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	10	1.76
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	10	1.76
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	8	1.76
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	8	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	8	1.76
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	11	1.76
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	11	1.76
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	12	1.76
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	12	1.76
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	12	1.76
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	12	1.76
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	12	1.76
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	12	1.76
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	12	1.76
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	12	1.76
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	12	1.76
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	13	1.76
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	13	1.76
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	13	1.76
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	3	1.76
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	3	1.76
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	3	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	1	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	1	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	1	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	1	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	1	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	1	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	8	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	8	1.76
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	8	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	8	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	8	1.76
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	8	1.76
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	17	1.76
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	17	1.76
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	17	1.76
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	2	1.76
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	9	1.76
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	9	1.76
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	9	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	11	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	11	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	11	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	13	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	13	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	13	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	14	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	14	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	14	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	18	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	18	1.76
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	18	1.76
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	16	1.76
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	20	1.76
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	16	1.76
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	16	1.76
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	17	1.76
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	17	1.76
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	5	1.76
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	5	1.76
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	5	1.76
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	11	1.76
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	11	1.76
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	11	1.76
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	20	1.76
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	20	1.76
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	15	1.76
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	15	1.76
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	14	1.75
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	14	1.75
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	14	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	5	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	5	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	5	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	6	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	6	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	6	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	11	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	11	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	11	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	13	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	13	1.75
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	13	1.75
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	10	1.75
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	10	1.75
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	10	1.75
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	10	1.75
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	10	1.75
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	10	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	4	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	4	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	4	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	4	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	4	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	4	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	7	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	7	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	7	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	7	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	7	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	7	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	8	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	8	1.75
(1,2148)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	8	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	8	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	8	1.75
(1,2148)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	8	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	4	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	4	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	4	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	4	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	4	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	4	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD11	5	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD12	5	1.75
(1,2140)	1:196:A:LEU:HB3	1:196:A:LEU:HD13	5	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD11	5	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD12	5	1.75
(1,2140)	1:196:A:LEU:HB2	1:196:A:LEU:HD13	5	1.75
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	2	1.75
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	2	1.75
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	2	1.75
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	2	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	2	1.75
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	2	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	5	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	5	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	15	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	15	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	18	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	18	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	18	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	18	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	18	1.75
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	18	1.75
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	18	1.75
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	7	1.75
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	7	1.75
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	7	1.75
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	18	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	18	1.75
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	18	1.75
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	17	1.75
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	17	1.75
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	17	1.75
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	17	1.75
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	17	1.75
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	17	1.75
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	17	1.75
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	17	1.75
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	17	1.75
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	16	1.75
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	16	1.75
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	16	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	2	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	2	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	2	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	8	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	8	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	8	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	9	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	9	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	9	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	12	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	12	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	12	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	16	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	16	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	16	1.75
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	17	1.75
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	17	1.75
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	17	1.75
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	7	1.75
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	7	1.75
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	7	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	9	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	9	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	9	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	9	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	9	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	9	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	9	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	9	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	9	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	12	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	12	1.75
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	12	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	12	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	12	1.75
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	12	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	12	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	12	1.75
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	12	1.75
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	14	1.75
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	14	1.75
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	14	1.75
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	1	1.75
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	19	1.75
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	19	1.75
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	8	1.75
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	8	1.75
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	8	1.75
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	8	1.75
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	8	1.75
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	19	1.75
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	19	1.75
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	19	1.75
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	19	1.75
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	19	1.75
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	19	1.75
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	1	1.75
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	1	1.75
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	1	1.75
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	1	1.75
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	1	1.75
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	1	1.75
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	1	1.75
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	1	1.75
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	1	1.75
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	12	1.75
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	12	1.75
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	12	1.75
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	4	1.75
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	4	1.75
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	4	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	1	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	1	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	1	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	16	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	16	1.75
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	16	1.75
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	5	1.75
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	5	1.75
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	5	1.75
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	5	1.75
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	5	1.75
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	5	1.75
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	5	1.75
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	5	1.75
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	5	1.75
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	1	1.75
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	1	1.75
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	1	1.75
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	1	1.75
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	1	1.75
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	1	1.75
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	17	1.75
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	17	1.75
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	17	1.75
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	7	1.75
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	7	1.75
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	7	1.75
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	18	1.75
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	19	1.75
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	19	1.75
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	11	1.75
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	17	1.75
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	5	1.75
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	5	1.75
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	20	1.75
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	20	1.75
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	5	1.75
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	5	1.75
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	5	1.75
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	5	1.75
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	5	1.75
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	5	1.75
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	11	1.75
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	11	1.75
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	11	1.75
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	5	1.75
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	5	1.75
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	5	1.75
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	5	1.75
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	15	1.75
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	15	1.75
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	15	1.75
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	15	1.75
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	3	1.75
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	3	1.75
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	3	1.75
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	12	1.75
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	5	1.75
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	5	1.75
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	5	1.75
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	17	1.75
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	17	1.75
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	17	1.75
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	8	1.75
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	8	1.75
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	8	1.75
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	16	1.75
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	16	1.75
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	16	1.75
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	13	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	3	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	3	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	9	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	9	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	19	1.75
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	19	1.75
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	12	1.75
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	12	1.75
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	4	1.75
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	4	1.75
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	4	1.75
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	4	1.75
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	4	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	1	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	1	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	2	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	2	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	7	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	7	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	8	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	8	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	9	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	9	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	11	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	11	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	12	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	12	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	13	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	13	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	14	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	14	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	17	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	17	1.75
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	20	1.75
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	20	1.75
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	13	1.75
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	13	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	13	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	13	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	13	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	13	1.75
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	15	1.75
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	15	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	15	1.75
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	15	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	15	1.75
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	15	1.75
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	5	1.75
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	5	1.75
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	5	1.75
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	20	1.75
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	20	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	20	1.75
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	20	1.75
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	20	1.75
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	20	1.75
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	20	1.75
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	20	1.75
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	20	1.75
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	4	1.75
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	4	1.75
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	4	1.75
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	14	1.75
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	14	1.75
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	14	1.75
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	14	1.75
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	14	1.75
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	14	1.75
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	14	1.75
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	14	1.75
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	14	1.75
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	19	1.75
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	4	1.75
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	6	1.75
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	9	1.75
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	15	1.75
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	9	1.75
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	9	1.75
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	9	1.75
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	9	1.75
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	9	1.75
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	9	1.75
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	5	1.75
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	5	1.75
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	5	1.75
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	5	1.75
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	5	1.75
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	5	1.75
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	4	1.75
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	4	1.75
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	4	1.75
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	4	1.75
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	4	1.75
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	4	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	11	1.75
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	13	1.75
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	13	1.75
(1,567)	1:91:A:TYR:HB3	1:134:A:ILE:HB	8	1.75
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	8	1.75
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	5	1.75
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	1	1.75
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	1	1.75
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	1	1.75
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	2	1.75
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	2	1.75
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	5	1.75
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	5	1.75
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	5	1.75
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	9	1.75
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	1	1.75
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	1	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	7	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	7	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	7	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	20	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	20	1.75
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	20	1.75
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	18	1.75
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	12	1.75
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	12	1.75
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	12	1.75
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	12	1.75
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	12	1.75
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	12	1.75
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	12	1.75
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	12	1.75
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	12	1.75
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	2	1.75
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	9	1.75
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	9	1.75
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	9	1.75
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	13	1.75
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	13	1.75
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	13	1.75
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	17	1.75
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	17	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	17	1.75
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	17	1.75
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	17	1.75
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	17	1.75
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	17	1.75
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	17	1.75
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	17	1.75
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	7	1.75
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	7	1.75
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	7	1.75
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	10	1.75
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	7	1.75
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	2	1.75
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	8	1.75
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	16	1.75
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	18	1.75
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	9	1.75
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	9	1.75
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	9	1.75
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	9	1.75
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	9	1.75
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	9	1.75
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	1	1.75
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	1	1.75
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	1	1.75
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	1	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	4	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	4	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	4	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	4	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	4	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	4	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	4	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	4	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	4	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	10	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	10	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	10	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	10	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	10	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	10	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	10	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	10	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	10	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	11	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	11	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	11	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	11	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	11	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	11	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	11	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	11	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	11	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	14	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	14	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	14	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	14	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	14	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	14	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	14	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	14	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	14	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	15	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	15	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	15	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	15	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	15	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	15	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	15	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	15	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	15	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	16	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	16	1.75
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	16	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	16	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	16	1.75
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	16	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	16	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	16	1.75
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	16	1.75
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	4	1.75
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	4	1.75
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	4	1.75
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	19	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	19	1.75
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	19	1.75
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	16	1.75
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	16	1.75
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	16	1.75
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	16	1.75
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	16	1.75
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	16	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	2	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	2	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	2	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	2	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	2	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	2	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	12	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	12	1.75
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	12	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	12	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	12	1.75
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	12	1.75
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	11	1.75
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	11	1.75
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	11	1.75
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	14	1.75
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	14	1.75
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	13	1.75
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	13	1.75
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	14	1.75
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	8	1.75
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	8	1.75
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	10	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	10	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	10	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	10	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	10	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	10	1.74
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	5	1.74
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	5	1.74
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	5	1.74
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	5	1.74
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	5	1.74
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	5	1.74
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	5	1.74
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	5	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	8	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	8	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	8	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	12	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	12	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	12	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	19	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	19	1.74
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	19	1.74
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	11	1.74
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	11	1.74
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	11	1.74
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	11	1.74
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	11	1.74
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	11	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	11	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	11	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	11	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	11	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	17	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	17	1.74
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	17	1.74
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	17	1.74
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	10	1.74
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	10	1.74
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	10	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	10	1.74
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	10	1.74
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	10	1.74
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	10	1.74
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	1	1.74
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	1	1.74
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	1	1.74
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	1	1.74
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	1	1.74
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	1	1.74
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	1	1.74
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	1	1.74
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	1	1.74
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	10	1.74
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	10	1.74
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	10	1.74
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	10	1.74
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	10	1.74
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	10	1.74
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	10	1.74
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	10	1.74
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	10	1.74
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	5	1.74
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	5	1.74
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	5	1.74
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	3	1.74
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	3	1.74
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	3	1.74
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	9	1.74
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	9	1.74
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	9	1.74
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	13	1.74
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	13	1.74
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	13	1.74
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	19	1.74
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	19	1.74
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	19	1.74
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	19	1.74
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	19	1.74
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	19	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	8	1.74
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	8	1.74
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	8	1.74
(1,1981)	1:128:A:VAL:HG21	1:129:A:TRP:HD1	7	1.74
(1,1981)	1:128:A:VAL:HG22	1:129:A:TRP:HD1	7	1.74
(1,1981)	1:128:A:VAL:HG23	1:129:A:TRP:HD1	7	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	4	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	4	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	4	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	4	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	4	1.74
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	4	1.74
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	5	1.74
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	10	1.74
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	10	1.74
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG21	8	1.74
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG22	8	1.74
(1,1960)	1:100:A:LEU:HD21	1:104:A:THR:HG23	8	1.74
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG21	8	1.74
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG22	8	1.74
(1,1960)	1:100:A:LEU:HD22	1:104:A:THR:HG23	8	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG21	8	1.74
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG22	8	1.74
(1,1960)	1:100:A:LEU:HD23	1:104:A:THR:HG23	8	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	17	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	17	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	17	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	17	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	17	1.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	17	1.74
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	17	1.74
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	17	1.74
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	17	1.74
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	16	1.74
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	16	1.74
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	16	1.74
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	16	1.74
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	16	1.74
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	16	1.74
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	16	1.74
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	16	1.74
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	16	1.74
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	8	1.74
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	8	1.74
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	8	1.74
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	3	1.74
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	3	1.74
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	3	1.74
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	9	1.74
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	9	1.74
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	9	1.74
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	18	1.74
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	18	1.74
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	18	1.74
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	18	1.74
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	18	1.74
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	18	1.74
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	18	1.74
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	18	1.74
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	18	1.74
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	5	1.74
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	5	1.74
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	5	1.74
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	5	1.74
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	5	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	8	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	8	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	8	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	12	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	12	1.74
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	12	1.74
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	4	1.74
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	7	1.74
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	8	1.74
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	5	1.74
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	7	1.74
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	9	1.74
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	9	1.74
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	11	1.74
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	11	1.74
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	11	1.74
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	10	1.74
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	10	1.74
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	10	1.74
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	17	1.74
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	17	1.74
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	6	1.74
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	6	1.74
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	19	1.74
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	19	1.74
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	19	1.74
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	19	1.74
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	18	1.74
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	18	1.74
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	18	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	10	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	10	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	10	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	10	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	20	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	20	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	20	1.74
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	20	1.74
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	16	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	16	1.74
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	16	1.74
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	17	1.74
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	17	1.74
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	17	1.74
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	16	1.74
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	16	1.74
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	8	1.74
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	8	1.74
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	10	1.74
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	10	1.74
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	4	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	3	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	3	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	4	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	4	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	6	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	6	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	10	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	10	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	15	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	15	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	16	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	16	1.74
(1,845)	1:214:A:PRO:HD2	1:215:A:THR:H	18	1.74
(1,845)	1:214:A:PRO:HD3	1:215:A:THR:H	18	1.74
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	20	1.74
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	20	1.74
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	20	1.74
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	20	1.74
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	20	1.74
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	20	1.74
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	15	1.74
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	15	1.74
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	15	1.74
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	10	1.74
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	10	1.74
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	10	1.74
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	5	1.74
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	5	1.74
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	5	1.74
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	5	1.74
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	5	1.74
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	5	1.74
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	5	1.74
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	5	1.74
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	3	1.74
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	3	1.74
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	3	1.74
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	3	1.74
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	3	1.74
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	3	1.74
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	8	1.74
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	8	1.74
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	8	1.74
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	10	1.74
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	10	1.74
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	10	1.74
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	10	1.74
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	10	1.74
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	10	1.74
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	8	1.74
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	10	1.74
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	9	1.74
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	9	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	7	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	7	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	9	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	9	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	16	1.74
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	16	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	14	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	14	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	14	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	17	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	17	1.74
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	17	1.74
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	3	1.74
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	3	1.74
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD11	16	1.74
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD12	16	1.74
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD13	16	1.74
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	20	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	20	1.74
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	20	1.74
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	16	1.74
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	16	1.74
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	16	1.74
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	16	1.74
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	16	1.74
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	16	1.74
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	4	1.74
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	16	1.74
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	1	1.74
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	1	1.74
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	1	1.74
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	6	1.74
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	12	1.74
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	6	1.74
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	6	1.74
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	6	1.74
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	19	1.74
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	10	1.74
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	10	1.74
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	10	1.74
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	3	1.74
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	14	1.74
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	8	1.74
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	8	1.74
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	8	1.74
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	8	1.74
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	8	1.74
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	8	1.74
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	8	1.74
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	8	1.74
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	8	1.74
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	18	1.74
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	18	1.74
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	18	1.74
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	8	1.74
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	8	1.74
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	8	1.74
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	11	1.74
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	11	1.74
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	3	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	7	1.74
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	9	1.74
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	9	1.74
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	9	1.74
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	19	1.74
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	19	1.74
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	19	1.74
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	19	1.74
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	19	1.74
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	19	1.74
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	8	1.74
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	8	1.74
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	8	1.74
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	14	1.74
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	14	1.74
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	14	1.74
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	9	1.74
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	9	1.74
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	9	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	1	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	1	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	1	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	1	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	1	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	1	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	1	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	1	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	1	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	8	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	8	1.74
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	8	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	8	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	8	1.74
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	8	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	8	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	8	1.74
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	8	1.74
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	4	1.74
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	4	1.74
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	16	1.74
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	16	1.74
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	5	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	5	1.74
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	14	1.74
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	14	1.74
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	18	1.74
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	18	1.74
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	7	1.74
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	7	1.74
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	7	1.74
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	5	1.74
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	5	1.74
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	3	1.73
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	3	1.73
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	3	1.73
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	3	1.73
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	3	1.73
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	3	1.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	4	1.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	4	1.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	4	1.73
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	6	1.73
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	6	1.73
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	18	1.73
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	18	1.73
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	18	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	1.73
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	8	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	8	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	8	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	8	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	8	1.73
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	8	1.73
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	8	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	4	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	4	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	4	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	6	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	6	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	6	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	8	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	8	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	8	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	16	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	16	1.73
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	16	1.73
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	2	1.73
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	2	1.73
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	2	1.73
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	1.73
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG12	12	1.73
(1,2074)	1:89:A:VAL:HA	1:89:A:VAL:HG13	12	1.73
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	9	1.73
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	9	1.73
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	9	1.73
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	9	1.73
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	9	1.73
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	9	1.73
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	9	1.73
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	9	1.73
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	19	1.73
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	19	1.73
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	19	1.73
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	19	1.73
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	19	1.73
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	19	1.73
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	19	1.73
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	19	1.73
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	19	1.73
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	6	1.73
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	6	1.73
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	6	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	1.73
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	1.73
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	5	1.73
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	5	1.73
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	5	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	10	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	10	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	10	1.73
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	10	1.73
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	10	1.73
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	10	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	10	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	10	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	10	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	13	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	13	1.73
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	13	1.73
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	13	1.73
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	13	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	13	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	13	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	13	1.73
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	13	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	1	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	1	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	1	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	8	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	8	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	8	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	13	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	13	1.73
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	13	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	6	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	6	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	6	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	20	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	20	1.73
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	20	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	8	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	8	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	8	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	17	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	17	1.73
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	17	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	18	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	18	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	18	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	20	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	20	1.73
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	20	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	3	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	3	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	3	1.73
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	3	1.73
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	3	1.73
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	3	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	14	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	14	1.73
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	14	1.73
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	14	1.73
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	14	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	14	1.73
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	14	1.73
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	14	1.73
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	14	1.73
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	13	1.73
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	13	1.73
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	13	1.73
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	13	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	14	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	14	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	14	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	16	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	16	1.73
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	16	1.73
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	16	1.73
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	16	1.73
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	11	1.73
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	11	1.73
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	11	1.73
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	11	1.73
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	11	1.73
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	2	1.73
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	2	1.73
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	2	1.73
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	15	1.73
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	15	1.73
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	15	1.73
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	15	1.73
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	8	1.73
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	14	1.73
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	18	1.73
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	20	1.73
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	9	1.73
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	9	1.73
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	9	1.73
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	12	1.73
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	12	1.73
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	12	1.73
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	8	1.73
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	8	1.73
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	8	1.73
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	10	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	10	1.73
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	12	1.73
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	12	1.73
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	19	1.73
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	19	1.73
(1,975)	1:68:A:GLY:H	1:157:A:ALA:H	20	1.73
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	7	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	1	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	1	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	1	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	17	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	17	1.73
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	17	1.73
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	13	1.73
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	13	1.73
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	13	1.73
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	19	1.73
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	19	1.73
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	19	1.73
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	19	1.73
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	19	1.73
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	19	1.73
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	19	1.73
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	19	1.73
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	19	1.73
(1,820)	1:192:A:ALA:HB1	1:193:A:THR:H	5	1.73
(1,820)	1:192:A:ALA:HB2	1:193:A:THR:H	5	1.73
(1,820)	1:192:A:ALA:HB3	1:193:A:THR:H	5	1.73
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	8	1.73
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	8	1.73
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	8	1.73
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	8	1.73
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	8	1.73
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	8	1.73
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	5	1.73
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	5	1.73
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	5	1.73
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	11	1.73
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	2	1.73
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	2	1.73
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	2	1.73
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	2	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	2	1.73
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	2	1.73
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	11	1.73
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	11	1.73
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	4	1.73
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	4	1.73
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	4	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	4	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	4	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	4	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	5	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	5	1.73
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	5	1.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	12	1.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	12	1.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	12	1.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	12	1.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	12	1.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	12	1.73
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	17	1.73
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	10	1.73
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	19	1.73
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	7	1.73
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	7	1.73
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	7	1.73
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	16	1.73
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	16	1.73
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	17	1.73
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	17	1.73
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	17	1.73
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	9	1.73
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	9	1.73
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	9	1.73
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	4	1.73
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	11	1.73
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	10	1.73
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	16	1.73
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	18	1.73
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	18	1.73
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	6	1.73
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	6	1.73
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	6	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	13	1.73
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	13	1.73
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	13	1.73
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	13	1.73
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	13	1.73
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	13	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	12	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	12	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	12	1.73
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	12	1.73
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	12	1.73
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	12	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	12	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	12	1.73
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	12	1.73
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	5	1.73
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	5	1.73
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	14	1.73
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	14	1.73
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	2	1.73
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	2	1.73
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	2	1.73
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	7	1.73
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	7	1.73
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	7	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	14	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	14	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	14	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	20	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	20	1.73
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	20	1.73
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	9	1.73
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	9	1.73
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	9	1.73
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	6	1.73
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	6	1.73
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	10	1.73
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	10	1.73
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	10	1.73
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	9	1.73
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	9	1.73
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	9	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	20	1.73
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	20	1.73
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	20	1.73
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	20	1.73
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB1	8	1.73
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB2	8	1.73
(1,235)	1:178:A:TRP:HZ3	1:191:A:ALA:HB3	8	1.73
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	3	1.73
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB2	16	1.73
(1,226)	1:179:A:THR:HG21	1:184:A:LEU:HB3	16	1.73
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB2	16	1.73
(1,226)	1:179:A:THR:HG22	1:184:A:LEU:HB3	16	1.73
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB2	16	1.73
(1,226)	1:179:A:THR:HG23	1:184:A:LEU:HB3	16	1.73
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	1	1.73
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	1	1.73
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	1	1.73
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	2	1.73
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	2	1.73
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	2	1.73
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	9	1.73
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	9	1.73
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	9	1.73
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	17	1.73
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	17	1.73
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	17	1.73
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	18	1.73
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	18	1.73
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	18	1.73
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	5	1.73
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	5	1.73
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	5	1.73
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	6	1.73
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	6	1.73
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	6	1.73
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	19	1.73
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	19	1.73
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	19	1.73
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	19	1.73
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	19	1.73
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	19	1.73
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	19	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	19	1.73
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	19	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	4	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	4	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	4	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	4	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	4	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	4	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	4	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	4	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	4	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	7	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	7	1.73
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	7	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	7	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	7	1.73
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	7	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	7	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	7	1.73
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	7	1.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	6	1.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	6	1.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	6	1.73
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	1	1.73
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	1	1.73
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	1	1.73
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	5	1.73
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	5	1.73
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	5	1.73
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	12	1.73
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	12	1.73
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	12	1.73
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	19	1.73
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	19	1.73
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	19	1.73
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	15	1.73
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	15	1.73
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	15	1.73
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	6	1.73
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	4	1.73
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	4	1.73
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	4	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	4	1.73
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	18	1.73
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	18	1.73
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	7	1.73
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	7	1.73
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	9	1.73
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	9	1.73
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	3	1.73
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	10	1.73
(1,2222)	1:122:A:LEU:HD21	1:123:A:HIS:H	15	1.72
(1,2222)	1:122:A:LEU:HD22	1:123:A:HIS:H	15	1.72
(1,2222)	1:122:A:LEU:HD23	1:123:A:HIS:H	15	1.72
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	15	1.72
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	15	1.72
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	15	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	1	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	1	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	1	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	1	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	1	1.72
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	1	1.72
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	1	1.72
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB2	8	1.72
(1,2132)	1:100:A:LEU:HD11	1:178:A:TRP:HB3	8	1.72
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB2	8	1.72
(1,2132)	1:100:A:LEU:HD12	1:178:A:TRP:HB3	8	1.72
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB2	8	1.72
(1,2132)	1:100:A:LEU:HD13	1:178:A:TRP:HB3	8	1.72
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	20	1.72
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	20	1.72
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	20	1.72
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	20	1.72
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	20	1.72
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	20	1.72
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	15	1.72
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	15	1.72
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	15	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	14	1.72
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	14	1.72
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	14	1.72
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	12	1.72
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	12	1.72
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	12	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	2	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	2	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	14	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	14	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	14	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG21	14	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG22	14	1.72
(1,2083)	1:92:A:ARG:HB2	1:127:A:VAL:HG23	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG21	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG22	14	1.72
(1,2083)	1:92:A:ARG:HB3	1:127:A:VAL:HG23	14	1.72
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	4	1.72
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	4	1.72
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	4	1.72
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	4	1.72
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	4	1.72
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	4	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	1	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	1	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	1	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	20	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	20	1.72
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	20	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	8	1.72
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	8	1.72
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	8	1.72
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	8	1.72
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	8	1.72
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	8	1.72
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	8	1.72
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	8	1.72
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	8	1.72
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	3	1.72
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	3	1.72
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	3	1.72
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	3	1.72
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	3	1.72
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	3	1.72
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	3	1.72
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	3	1.72
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	3	1.72
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	4	1.72
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	4	1.72
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	4	1.72
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	1	1.72
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	1	1.72
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	1	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	5	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	5	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	5	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	5	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	5	1.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	5	1.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	5	1.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	5	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2033)	1:122:A:LEU:HD21	1:123:A:HIS:H	15	1.72
(1,2033)	1:122:A:LEU:HD22	1:123:A:HIS:H	15	1.72
(1,2033)	1:122:A:LEU:HD23	1:123:A:HIS:H	15	1.72
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	18	1.72
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	18	1.72
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	18	1.72
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	15	1.72
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	15	1.72
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	15	1.72
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	19	1.72
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	19	1.72
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	19	1.72
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	19	1.72
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	19	1.72
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	19	1.72
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	19	1.72
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	19	1.72
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	19	1.72
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	3	1.72
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	3	1.72
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	3	1.72
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	3	1.72
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	3	1.72
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	3	1.72
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	12	1.72
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	12	1.72
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	12	1.72
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	12	1.72
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	12	1.72
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	12	1.72
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	11	1.72
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	11	1.72
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	11	1.72
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	11	1.72
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	11	1.72
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	11	1.72
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	11	1.72
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	11	1.72
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	11	1.72
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	7	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	7	1.72
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	11	1.72
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	11	1.72
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	4	1.72
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	4	1.72
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	4	1.72
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	4	1.72
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	4	1.72
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	4	1.72
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	9	1.72
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	9	1.72
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	9	1.72
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	4	1.72
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	4	1.72
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	4	1.72
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	4	1.72
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	4	1.72
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	4	1.72
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	4	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD11	13	1.72
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD12	13	1.72
(1,1907)	1:77:A:LEU:HB2	1:77:A:LEU:HD13	13	1.72
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD11	13	1.72
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD12	13	1.72
(1,1907)	1:77:A:LEU:HB3	1:77:A:LEU:HD13	13	1.72
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	19	1.72
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	19	1.72
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	19	1.72
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	19	1.72
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	19	1.72
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	19	1.72
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	17	1.72
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	17	1.72
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	17	1.72
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	17	1.72
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	17	1.72
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	17	1.72
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	17	1.72
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	17	1.72
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	17	1.72
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	3	1.72
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	3	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	3	1.72
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	3	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	5	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	5	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	5	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	7	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	7	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	7	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	10	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	10	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	10	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	14	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	14	1.72
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	14	1.72
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	18	1.72
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	18	1.72
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	18	1.72
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	17	1.72
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	17	1.72
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	17	1.72
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	17	1.72
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	17	1.72
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	17	1.72
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	17	1.72
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	17	1.72
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	17	1.72
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	13	1.72
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	13	1.72
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	13	1.72
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	10	1.72
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	14	1.72
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	6	1.72
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	6	1.72
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	6	1.72
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	6	1.72
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	11	1.72
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	11	1.72
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	16	1.72
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	16	1.72
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	8	1.72
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	8	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	5	1.72
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	5	1.72
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	5	1.72
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	5	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	3	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	3	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	3	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	6	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	6	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	6	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	16	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	16	1.72
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	16	1.72
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	9	1.72
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	9	1.72
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	9	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	1	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	2	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	5	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	6	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	7	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	10	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	11	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	13	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	15	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	16	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	17	1.72
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	19	1.72
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	1	1.72
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	1	1.72
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	1	1.72
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	6	1.72
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	6	1.72
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	6	1.72
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	17	1.72
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	17	1.72
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	17	1.72
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	13	1.72
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	13	1.72
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	13	1.72
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	16	1.72
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	16	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	16	1.72
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	2	1.72
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	2	1.72
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	4	1.72
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	4	1.72
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	11	1.72
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	11	1.72
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	3	1.72
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	13	1.72
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	10	1.72
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	10	1.72
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	11	1.72
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	11	1.72
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	11	1.72
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	7	1.72
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	7	1.72
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	7	1.72
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	8	1.72
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	8	1.72
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	8	1.72
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	10	1.72
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	10	1.72
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	10	1.72
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	10	1.72
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	10	1.72
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	10	1.72
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	4	1.72
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	4	1.72
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	4	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	1	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	1	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	1	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	1	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	1	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	1	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	1	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	1	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	1	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	2	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	2	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	2	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	2	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	2	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	2	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	2	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	2	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	2	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	3	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	3	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	3	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	3	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	3	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	3	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	3	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	3	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	3	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	7	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	7	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	7	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	7	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	7	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	7	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	7	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	7	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	7	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	10	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	10	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	10	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	10	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	10	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	10	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	10	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	10	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	10	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	12	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	12	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	12	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	12	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	12	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	12	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	12	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	12	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	12	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	15	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	15	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	15	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	15	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	15	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	15	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	15	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	15	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	15	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	16	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	16	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	16	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	16	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	16	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	16	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	16	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	16	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	16	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	18	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	18	1.72
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	18	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	18	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	18	1.72
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	18	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	18	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	18	1.72
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	18	1.72
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	15	1.72
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	15	1.72
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	15	1.72
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	7	1.72
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	7	1.72
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	7	1.72
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	7	1.72
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	7	1.72
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	7	1.72
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	13	1.72
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	14	1.72
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	16	1.72
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	17	1.72
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	11	1.72
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	11	1.72
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	11	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	3	1.72
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	3	1.72
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	3	1.72
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	5	1.72
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	5	1.72
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	5	1.72
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	5	1.72
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	5	1.72
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	9	1.72
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	9	1.72
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	17	1.72
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	17	1.72
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	1	1.72
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	15	1.72
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	20	1.72
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	17	1.72
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	17	1.72
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	17	1.72
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	9	1.72
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	14	1.72
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	14	1.72
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	14	1.72
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	20	1.72
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	20	1.72
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	20	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	4	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	4	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	4	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	5	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	5	1.72
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	5	1.72
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	9	1.72
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	9	1.72
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	9	1.72
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	9	1.72
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	1	1.72
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	1	1.72
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	1	1.72
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	5	1.72
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	5	1.72
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	5	1.72
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	19	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	19	1.72
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	19	1.72
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	20	1.72
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	20	1.72
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	20	1.72
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	9	1.72
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	9	1.72
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	9	1.72
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	9	1.72
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	9	1.72
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	9	1.72
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	5	1.72
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	5	1.72
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	5	1.72
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	2	1.72
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	12	1.72
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	3	1.72
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	3	1.72
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	3	1.72
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	10	1.72
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	10	1.72
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	2	1.72
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	2	1.72
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	2	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	7	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	7	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	7	1.72
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	7	1.72
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	7	1.72
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	7	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	7	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	7	1.72
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	7	1.72
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	3	1.72
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	3	1.72
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	3	1.72
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	17	1.72
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	17	1.72
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	17	1.72
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	18	1.72
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	18	1.72
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	18	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	19	1.72
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	19	1.72
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	19	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	4	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	4	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	4	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	15	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	15	1.72
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	15	1.72
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	17	1.72
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	17	1.72
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD11	5	1.72
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD12	5	1.72
(1,302)	1:120:A:ILE:HG21	1:234:A:ILE:HD13	5	1.72
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD11	5	1.72
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD12	5	1.72
(1,302)	1:120:A:ILE:HG22	1:234:A:ILE:HD13	5	1.72
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD11	5	1.72
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD12	5	1.72
(1,302)	1:120:A:ILE:HG23	1:234:A:ILE:HD13	5	1.72
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB1	8	1.72
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB2	8	1.72
(1,296)	1:191:A:ALA:H	1:191:A:ALA:HB3	8	1.72
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	18	1.72
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	4	1.72
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	4	1.72
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	4	1.72
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	6	1.72
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	10	1.72
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	3	1.72
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	8	1.72
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	11	1.72
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	17	1.72
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	3	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	3	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	3	1.72
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	10	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	10	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	10	1.72
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	12	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	12	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	12	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	15	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	15	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	15	1.72
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	16	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	16	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	16	1.72
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	19	1.72
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	19	1.72
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	19	1.72
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	7	1.72
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	7	1.72
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	7	1.72
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	18	1.72
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	18	1.72
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	18	1.72
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	18	1.72
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	18	1.72
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	18	1.72
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	18	1.72
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	18	1.72
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	18	1.72
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	18	1.72
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	18	1.72
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	18	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	6	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	6	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	6	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	6	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	6	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	6	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	7	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	7	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	7	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	7	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	7	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	7	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	13	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	13	1.72
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	13	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	13	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	13	1.72
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	13	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	9	1.72
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	9	1.72
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	9	1.72
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	8	1.72
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	18	1.72
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	16	1.72
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	16	1.72
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	16	1.72
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	19	1.72
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	19	1.72
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	13	1.72
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	1	1.72
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	1	1.72
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	1	1.72
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	8	1.72
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	8	1.72
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	8	1.72
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	19	1.72
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	19	1.72
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	19	1.72
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	4	1.72
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	4	1.72
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	7	1.72
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	11	1.72
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	15	1.72
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	2	1.72
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	2	1.72
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD1	18	1.72
(1,6)	1:91:A:TYR:H	1:91:A:TYR:HD2	18	1.72
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	14	1.71
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	14	1.71
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	14	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	10	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	10	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	10	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	15	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	15	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	15	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG21	20	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG22	20	1.71
(1,2176)	1:109:A:VAL:H	1:109:A:VAL:HG23	20	1.71
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	7	1.71
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	7	1.71
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	7	1.71
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	7	1.71
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	7	1.71
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	7	1.71
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	18	1.71
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	18	1.71
(1,2134)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	18	1.71
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	18	1.71
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	18	1.71
(1,2134)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	18	1.71
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	14	1.71
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	14	1.71
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	14	1.71
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	14	1.71
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	14	1.71
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	14	1.71
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	4	1.71
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	4	1.71
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	4	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	7	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	7	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	7	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	17	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	17	1.71
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	17	1.71
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	14	1.71
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	14	1.71
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	14	1.71
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	1.71
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	1.71
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	1.71
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	3	1.71
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	3	1.71
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	3	1.71
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	3	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	3	1.71
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	3	1.71
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	9	1.71
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	9	1.71
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	9	1.71
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	9	1.71
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	9	1.71
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	9	1.71
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	9	1.71
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	9	1.71
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	9	1.71
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	9	1.71
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	9	1.71
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	9	1.71
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	9	1.71
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	9	1.71
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	9	1.71
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	13	1.71
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	13	1.71
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	13	1.71
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	7	1.71
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	7	1.71
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	7	1.71
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	17	1.71
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	17	1.71
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	17	1.71
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	7	1.71
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	7	1.71
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	7	1.71
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	7	1.71
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	7	1.71
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	7	1.71
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	7	1.71
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	7	1.71
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	7	1.71
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	5	1.71
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	5	1.71
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	5	1.71
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	5	1.71
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	5	1.71
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	5	1.71
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	7	1.71
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	7	1.71
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	7	1.71
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	7	1.71
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	7	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	18	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	18	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	18	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	18	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	18	1.71
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	18	1.71
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	2	1.71
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	2	1.71
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	2	1.71
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	2	1.71
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	2	1.71
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	2	1.71
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	2	1.71
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	2	1.71
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	2	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	13	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	13	1.71
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	13	1.71
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	17	1.71
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	17	1.71
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	17	1.71
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	17	1.71
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	17	1.71
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	17	1.71
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	3	1.71
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	3	1.71
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	3	1.71
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	5	1.71
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	5	1.71
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	5	1.71
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	5	1.71
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	5	1.71
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	5	1.71
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	5	1.71
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	5	1.71
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	5	1.71
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	13	1.71
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	13	1.71
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	13	1.71
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	13	1.71
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	13	1.71
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	13	1.71
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	1	1.71
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	1	1.71
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	1	1.71
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	2	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	2	1.71
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	2	1.71
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	7	1.71
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	7	1.71
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	7	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	2	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	2	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	2	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	2	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	2	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	2	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	10	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	10	1.71
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	10	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	10	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	10	1.71
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	10	1.71
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	19	1.71
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	19	1.71
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	19	1.71
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	19	1.71
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	19	1.71
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	19	1.71
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	19	1.71
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	19	1.71
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	19	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	16	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	16	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	16	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	19	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	19	1.71
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	19	1.71
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	5	1.71
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	5	1.71
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	17	1.71
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	17	1.71
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	17	1.71
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	13	1.71
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	13	1.71
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	20	1.71
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	20	1.71
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	7	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	7	1.71
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	7	1.71
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	7	1.71
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	7	1.71
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	2	1.71
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	2	1.71
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	2	1.71
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	2	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	6	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	6	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	6	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	8	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	8	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	8	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	9	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	9	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	9	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	17	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	17	1.71
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	17	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	7	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	7	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	7	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	11	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	11	1.71
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	11	1.71
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	4	1.71
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	4	1.71
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	4	1.71
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	4	1.71
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	16	1.71
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	16	1.71
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	5	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	2	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	2	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	5	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	5	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	13	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	13	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	14	1.71
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	14	1.71
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	4	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	4	1.71
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	18	1.71
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	18	1.71
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	8	1.71
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	8	1.71
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	8	1.71
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	19	1.71
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	19	1.71
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	19	1.71
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	19	1.71
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	10	1.71
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	10	1.71
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	10	1.71
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	10	1.71
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	10	1.71
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	10	1.71
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	2	1.71
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	2	1.71
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	2	1.71
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	2	1.71
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	2	1.71
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	2	1.71
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	18	1.71
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	18	1.71
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	18	1.71
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	18	1.71
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	18	1.71
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	18	1.71
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	2	1.71
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	2	1.71
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	2	1.71
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	4	1.71
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	4	1.71
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	4	1.71
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	12	1.71
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	12	1.71
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	12	1.71
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB1	2	1.71
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB2	2	1.71
(1,839)	1:210:A:ALA:H	1:210:A:ALA:HB3	2	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	6	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	6	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	6	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	6	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	6	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	6	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	6	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	6	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	6	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	11	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	11	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	11	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	11	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	11	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	11	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	11	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	11	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	11	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	14	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	14	1.71
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	14	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	14	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	14	1.71
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	14	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	14	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	14	1.71
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	14	1.71
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	4	1.71
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	1	1.71
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	17	1.71
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	1	1.71
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	1	1.71
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	6	1.71
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	6	1.71
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	15	1.71
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	15	1.71
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	15	1.71
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	15	1.71
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	15	1.71
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	15	1.71
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG21	15	1.71
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG22	15	1.71
(1,639)	1:29:A:THR:HA	1:29:A:THR:HG23	15	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	1	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	1	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	1	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	5	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	5	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	5	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	14	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	14	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	14	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	17	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	17	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	17	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	19	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	19	1.71
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	19	1.71
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	7	1.71
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	7	1.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	10	1.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	10	1.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	10	1.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	10	1.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	10	1.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	10	1.71
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	6	1.71
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	6	1.71
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	6	1.71
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	6	1.71
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	6	1.71
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	6	1.71
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	6	1.71
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	6	1.71
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	6	1.71
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	14	1.71
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	14	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	3	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	3	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	3	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	7	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	7	1.71
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	7	1.71
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	14	1.71
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	14	1.71
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	13	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	13	1.71
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	13	1.71
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	13	1.71
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	13	1.71
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	13	1.71
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	12	1.71
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	12	1.71
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	12	1.71
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	2	1.71
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	19	1.71
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	19	1.71
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	19	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	11	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	11	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	11	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	15	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	15	1.71
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	15	1.71
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	6	1.71
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	6	1.71
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	6	1.71
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	3	1.71
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	3	1.71
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	3	1.71
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	2	1.71
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	2	1.71
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	2	1.71
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	10	1.71
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	10	1.71
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	10	1.71
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	4	1.71
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	20	1.71
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	16	1.71
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	16	1.71
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	16	1.71
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	5	1.71
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	1	1.71
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	1	1.71
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	19	1.71
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	19	1.71
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	19	1.71
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	6	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	6	1.71
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	6	1.71
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	6	1.71
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	6	1.71
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	6	1.71
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	6	1.71
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	6	1.71
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	6	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	5	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	5	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	5	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	6	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	6	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	6	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	9	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	9	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	9	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	11	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	11	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	11	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	13	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	13	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	13	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	14	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	14	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	14	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	16	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	16	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	16	1.71
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	20	1.71
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	20	1.71
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	20	1.71
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	17	1.71
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	17	1.71
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	17	1.71
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	17	1.71
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	17	1.71
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	17	1.71
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	3	1.71
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	3	1.71
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	3	1.71
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	14	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	14	1.71
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	14	1.71
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	6	1.71
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	20	1.71
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	6	1.71
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	9	1.71
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	19	1.71
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	20	1.71
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	6	1.71
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	6	1.71
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	6	1.71
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	7	1.71
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	7	1.71
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	7	1.71
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	11	1.71
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	11	1.71
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	11	1.71
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	13	1.71
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	13	1.71
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	13	1.71
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	20	1.71
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	20	1.71
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	20	1.71
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	8	1.71
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	8	1.71
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	5	1.71
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	5	1.71
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	5	1.71
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	5	1.71
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	5	1.71
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	5	1.71
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	2	1.71
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	2	1.71
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	16	1.71
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	16	1.71
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	20	1.71
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	20	1.71
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	20	1.71
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	13	1.71
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	13	1.71
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	13	1.71
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	3	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	3	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	3	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	7	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	7	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	7	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	19	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	19	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	19	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	20	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	20	1.7
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	20	1.7
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	16	1.7
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	16	1.7
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	16	1.7
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	9	1.7
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	9	1.7
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	9	1.7
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	13	1.7
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	13	1.7
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	13	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	1	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	1	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	1	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	13	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	13	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	13	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	15	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	15	1.7
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	15	1.7
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	17	1.7
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	17	1.7
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	17	1.7
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	10	1.7
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	10	1.7
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	10	1.7
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	7	1.7
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	7	1.7
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	7	1.7
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	2	1.7
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	2	1.7
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	2	1.7
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	2	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	2	1.7
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD11	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD12	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD13	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD21	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD22	2	1.7
(1,1977)	1:184:A:LEU:HB3	1:184:A:LEU:HD23	2	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	14	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	14	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	14	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	14	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	14	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	14	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	14	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	14	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	14	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	16	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	16	1.7
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	16	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	16	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	16	1.7
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	16	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	16	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	16	1.7
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	16	1.7
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	15	1.7
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	15	1.7
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	15	1.7
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	19	1.7
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	19	1.7
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	19	1.7
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	6	1.7
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	6	1.7
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	6	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	8	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	8	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	8	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	11	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	11	1.7
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	11	1.7
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	6	1.7
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	6	1.7
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	6	1.7
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	6	1.7
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	6	1.7
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	10	1.7
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	10	1.7
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	10	1.7
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	6	1.7
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	6	1.7
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	6	1.7
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	3	1.7
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	4	1.7
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	14	1.7
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	14	1.7
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	10	1.7
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	10	1.7
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	10	1.7
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	10	1.7
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	10	1.7
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	8	1.7
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	8	1.7
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	8	1.7
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	8	1.7
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	9	1.7
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	9	1.7
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	9	1.7
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	9	1.7
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	17	1.7
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	17	1.7
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	17	1.7
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	14	1.7
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	14	1.7
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	14	1.7
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	14	1.7
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	12	1.7
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	12	1.7
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	12	1.7
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	12	1.7
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	12	1.7
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	12	1.7
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	10	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	10	1.7
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	10	1.7
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	18	1.7
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	18	1.7
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	18	1.7
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	3	1.7
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	9	1.7
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	16	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	1	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	1	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	4	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	4	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	11	1.7
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	11	1.7
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	17	1.7
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	3	1.7
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	3	1.7
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	5	1.7
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	5	1.7
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	11	1.7
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	11	1.7
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	19	1.7
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	19	1.7
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	7	1.7
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	7	1.7
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	18	1.7
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	18	1.7
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	1	1.7
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	8	1.7
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	8	1.7
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	8	1.7
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	16	1.7
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	16	1.7
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	16	1.7
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	6	1.7
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	6	1.7
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	6	1.7
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	6	1.7
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	6	1.7
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	6	1.7
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	16	1.7
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	16	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	16	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	9	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	9	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	9	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	9	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	9	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	9	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	9	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	9	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	9	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	13	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	13	1.7
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	13	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	13	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	13	1.7
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	13	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	13	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	13	1.7
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	13	1.7
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	16	1.7
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	16	1.7
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	16	1.7
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	19	1.7
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	19	1.7
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	19	1.7
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	5	1.7
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	10	1.7
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	14	1.7
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	19	1.7
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	20	1.7
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	14	1.7
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	14	1.7
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	8	1.7
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	8	1.7
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	9	1.7
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	18	1.7
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	18	1.7
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	8	1.7
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	8	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	6	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	6	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	18	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	18	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	18	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	19	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	19	1.7
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	19	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	4	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	4	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	4	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	6	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	6	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	6	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	13	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	13	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	13	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	15	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	15	1.7
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	15	1.7
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	12	1.7
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	12	1.7
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	12	1.7
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	13	1.7
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	13	1.7
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	17	1.7
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	17	1.7
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	17	1.7
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	17	1.7
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	17	1.7
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	17	1.7
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	12	1.7
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	12	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	10	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	10	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	14	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	14	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	15	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	15	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	18	1.7
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	18	1.7
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	4	1.7
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	4	1.7
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	4	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	4	1.7
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	4	1.7
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	4	1.7
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	10	1.7
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	10	1.7
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	16	1.7
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	16	1.7
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	2	1.7
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	2	1.7
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	2	1.7
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	2	1.7
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	2	1.7
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	2	1.7
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	17	1.7
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	17	1.7
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	17	1.7
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	17	1.7
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	17	1.7
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	17	1.7
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	6	1.7
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	18	1.7
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	14	1.7
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	14	1.7
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	15	1.7
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	15	1.7
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	15	1.7
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	15	1.7
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	11	1.7
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	11	1.7
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	11	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	2	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	2	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	2	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	2	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	2	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	2	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	12	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	12	1.7
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	12	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	12	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	12	1.7
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	12	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	1	1.7
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	2	1.7
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	2	1.7
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	2	1.7
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	2	1.7
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	2	1.7
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	2	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	3	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	3	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	3	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	5	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	5	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	5	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	14	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	14	1.7
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	14	1.7
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	6	1.7
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	13	1.7
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	11	1.7
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	11	1.7
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	3	1.7
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	3	1.7
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	3	1.7
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	3	1.7
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	3	1.7
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	3	1.7
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	16	1.7
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	16	1.7
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	16	1.7
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	16	1.7
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	16	1.7
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	16	1.7
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	16	1.7
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	16	1.7
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	16	1.7
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	16	1.7
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	16	1.7
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	16	1.7
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	7	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	7	1.7
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	7	1.7
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	7	1.7
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	7	1.7
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	7	1.7
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	7	1.7
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	5	1.7
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	5	1.7
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB2	1	1.7
(1,370)	1:195:A:ALA:HA	1:198:A:HIS:HB3	1	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	4	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	4	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	4	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	9	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	9	1.7
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	9	1.7
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	3	1.7
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	3	1.7
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	3	1.7
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	3	1.7
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	3	1.7
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	3	1.7
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	12	1.7
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	12	1.7
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	12	1.7
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	2	1.7
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	2	1.7
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	16	1.7
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	16	1.7
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	4	1.7
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	4	1.7
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	4	1.7
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	7	1.7
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	7	1.7
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	6	1.7
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	6	1.7
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	6	1.7
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	6	1.7
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	6	1.7
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	6	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	6	1.7
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	6	1.7
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	6	1.7
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	13	1.7
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	13	1.7
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	13	1.7
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	2	1.7
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	2	1.7
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	15	1.7
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	7	1.7
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	14	1.7
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	16	1.7
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	15	1.7
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	15	1.7
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	15	1.7
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	15	1.7
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	15	1.7
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	15	1.7
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	14	1.7
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	14	1.7
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	14	1.7
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	10	1.7
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	10	1.7
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	10	1.7
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	10	1.7
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	10	1.7
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	10	1.7
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	10	1.7
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	10	1.7
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	10	1.7
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	7	1.7
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	7	1.7
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	7	1.7
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	7	1.7
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	7	1.7
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	7	1.7
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	10	1.7
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	10	1.7
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	10	1.7
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	13	1.7
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	17	1.7
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	17	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	17	1.7
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	17	1.7
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	12	1.7
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	9	1.7
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	9	1.7
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	10	1.7
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	10	1.7
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD1	10	1.7
(1,27)	1:147:A:TYR:HA	1:147:A:TYR:HD2	10	1.7
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	6	1.7
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	6	1.7
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	11	1.7
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	11	1.7
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	14	1.69
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	14	1.69
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	14	1.69
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	14	1.69
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	14	1.69
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	14	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	9	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	9	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	9	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	10	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	10	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	10	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	11	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	11	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	11	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	14	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	14	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	14	1.69
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	3	1.69
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	3	1.69
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	3	1.69
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	4	1.69
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	4	1.69
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	4	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	1.69
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	7	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	7	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	7	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	7	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	7	1.69
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	7	1.69
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	7	1.69
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	10	1.69
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	10	1.69
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	10	1.69
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	11	1.69
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	11	1.69
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	11	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	2	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	2	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	2	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	5	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	5	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	5	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	7	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	7	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	7	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	10	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	10	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	10	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	12	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	12	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	12	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	14	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	14	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	16	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	16	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	16	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	18	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	18	1.69
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	18	1.69
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	14	1.69
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	14	1.69
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	14	1.69
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	17	1.69
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	17	1.69
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	17	1.69
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	9	1.69
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	9	1.69
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	9	1.69
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	9	1.69
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	9	1.69
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	9	1.69
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	9	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	16	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	16	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	16	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	16	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	16	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	16	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD21	19	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD22	19	1.69
(1,2071)	1:77:A:LEU:HB2	1:77:A:LEU:HD23	19	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD21	19	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD22	19	1.69
(1,2071)	1:77:A:LEU:HB3	1:77:A:LEU:HD23	19	1.69
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	4	1.69
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	4	1.69
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	4	1.69
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	4	1.69
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	4	1.69
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	4	1.69
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	4	1.69
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	4	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	1.69
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	1.69
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	8	1.69
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	8	1.69
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	8	1.69
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	14	1.69
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	14	1.69
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	14	1.69
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	3	1.69
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	3	1.69
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	3	1.69
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	3	1.69
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	3	1.69
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	3	1.69
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	11	1.69
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	11	1.69
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	11	1.69
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	11	1.69
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	11	1.69
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	11	1.69
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	11	1.69
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	11	1.69
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	11	1.69
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	4	1.69
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	4	1.69
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	1.69
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	1.69
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	2	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	2	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	2	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	2	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	2	1.69
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	2	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	17	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	17	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	17	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG21	19	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG22	19	1.69
(1,1919)	1:127:A:VAL:H	1:127:A:VAL:HG23	19	1.69
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD11	11	1.69
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD12	11	1.69
(1,1883)	1:54:A:LEU:HD11	1:59:A:ILE:HD13	11	1.69
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD11	11	1.69
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD12	11	1.69
(1,1883)	1:54:A:LEU:HD12	1:59:A:ILE:HD13	11	1.69
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD11	11	1.69
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD12	11	1.69
(1,1883)	1:54:A:LEU:HD13	1:59:A:ILE:HD13	11	1.69
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	5	1.69
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	5	1.69
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	5	1.69
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	5	1.69
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	5	1.69
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	5	1.69
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	15	1.69
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	15	1.69
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	15	1.69
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	8	1.69
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	8	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	8	1.69
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	14	1.69
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	14	1.69
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	14	1.69
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	2	1.69
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	2	1.69
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	2	1.69
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	12	1.69
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	12	1.69
(1,1853)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	12	1.69
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	12	1.69
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	12	1.69
(1,1853)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	12	1.69
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	12	1.69
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	12	1.69
(1,1853)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	12	1.69
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	3	1.69
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	3	1.69
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	3	1.69
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	6	1.69
(1,1713)	1:63:A:GLN:H	1:63:A:GLN:HG2	19	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	9	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	9	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	15	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	15	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	16	1.69
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	16	1.69
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	16	1.69
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	16	1.69
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	18	1.69
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	18	1.69
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	17	1.69
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	17	1.69
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	17	1.69
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	20	1.69
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	7	1.69
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	7	1.69
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	7	1.69
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	7	1.69
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	15	1.69
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	15	1.69
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	15	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	7	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	7	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	7	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	15	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	15	1.69
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	15	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	13	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	13	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	13	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	15	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	15	1.69
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	15	1.69
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	11	1.69
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	13	1.69
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	13	1.69
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	13	1.69
(1,1320)	1:115:A:MET:H	1:115:A:MET:HB2	12	1.69
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	10	1.69
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	10	1.69
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	10	1.69
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	15	1.69
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	15	1.69
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	15	1.69
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	7	1.69
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	7	1.69
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	7	1.69
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	1	1.69
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	1	1.69
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	1	1.69
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	11	1.69
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	11	1.69
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	11	1.69
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	15	1.69
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	15	1.69
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	19	1.69
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	19	1.69
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	15	1.69
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	13	1.69
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	13	1.69
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	3	1.69
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	3	1.69
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	3	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	3	1.69
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	3	1.69
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	9	1.69
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	9	1.69
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	9	1.69
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	9	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	4	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	4	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	4	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	17	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	17	1.69
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	17	1.69
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	5	1.69
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	5	1.69
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	5	1.69
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	5	1.69
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	5	1.69
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	5	1.69
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	7	1.69
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	7	1.69
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	7	1.69
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	4	1.69
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	4	1.69
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	4	1.69
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	4	1.69
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	4	1.69
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	4	1.69
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	4	1.69
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	4	1.69
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	4	1.69
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	17	1.69
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	17	1.69
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	17	1.69
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	17	1.69
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	17	1.69
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	17	1.69
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	17	1.69
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	17	1.69
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	17	1.69
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	4	1.69
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	4	1.69
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	4	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	4	1.69
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	4	1.69
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	4	1.69
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	4	1.69
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	4	1.69
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	4	1.69
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	1	1.69
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	1	1.69
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	1	1.69
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	2	1.69
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	2	1.69
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	2	1.69
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	2	1.69
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	2	1.69
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	2	1.69
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	13	1.69
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	13	1.69
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	13	1.69
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	15	1.69
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	5	1.69
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	12	1.69
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	12	1.69
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	12	1.69
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	12	1.69
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	12	1.69
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	12	1.69
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	5	1.69
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	5	1.69
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	18	1.69
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	18	1.69
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	2	1.69
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	10	1.69
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	10	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	14	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	14	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	14	1.69
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	14	1.69
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	14	1.69
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	14	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	14	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	14	1.69
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	13	1.69
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	13	1.69
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	18	1.69
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	18	1.69
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	18	1.69
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	18	1.69
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	18	1.69
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	18	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	1	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	1	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	1	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	14	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	14	1.69
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	14	1.69
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	19	1.69
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	19	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	11	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	11	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	11	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	12	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	12	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	12	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	20	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	20	1.69
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	20	1.69
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	1	1.69
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	1	1.69
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	1	1.69
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	10	1.69
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	10	1.69
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	5	1.69
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	14	1.69
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	14	1.69
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	14	1.69
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	6	1.69
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	13	1.69
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	13	1.69
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	20	1.69
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	20	1.69
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	3	1.69
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	3	1.69
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	18	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	18	1.69
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	18	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	6	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	6	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	6	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	18	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	18	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	18	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	19	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	19	1.69
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	19	1.69
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	20	1.69
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	20	1.69
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	14	1.69
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	14	1.69
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	14	1.69
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	17	1.69
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	17	1.69
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	17	1.69
(1,442)	1:211:A:VAL:H	1:211:A:VAL:HB	7	1.69
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	15	1.69
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	18	1.69
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	1	1.69
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	1	1.69
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	1	1.69
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	1	1.69
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	1	1.69
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	1	1.69
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	3	1.69
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	3	1.69
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	3	1.69
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	3	1.69
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	3	1.69
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	3	1.69
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	11	1.69
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	11	1.69
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	11	1.69
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	19	1.69
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	19	1.69
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	1	1.69
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	1	1.69
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	1	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	15	1.69
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	15	1.69
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	15	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	12	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	12	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	12	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	16	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	16	1.69
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	16	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	3	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	3	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	3	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	12	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	12	1.69
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	12	1.69
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	19	1.69
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	14	1.69
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	14	1.69
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	14	1.69
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	14	1.69
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	14	1.69
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	14	1.69
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	14	1.69
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	14	1.69
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	14	1.69
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	4	1.69
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	4	1.69
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	4	1.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	7	1.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	7	1.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	7	1.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	7	1.69
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	7	1.69
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	7	1.69
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	7	1.69
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	14	1.69
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	14	1.69
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	14	1.69
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	4	1.69
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	4	1.69
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	4	1.69
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	12	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	12	1.69
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	12	1.69
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	16	1.69
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	16	1.69
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	16	1.69
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	10	1.69
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	10	1.69
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	10	1.69
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	11	1.69
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	11	1.69
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	1	1.69
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	1	1.69
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	1	1.69
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	1	1.69
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	1	1.69
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	1	1.69
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	18	1.69
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	18	1.69
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	18	1.69
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	12	1.69
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	8	1.68
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	8	1.68
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	8	1.68
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	11	1.68
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	11	1.68
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	11	1.68
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	11	1.68
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	11	1.68
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	11	1.68
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG21	1	1.68
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG22	1	1.68
(1,2120)	1:127:A:VAL:HA	1:128:A:VAL:HG23	1	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	5	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	5	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	5	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	20	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	20	1.68
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	20	1.68
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	18	1.68
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	18	1.68
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	18	1.68
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	3	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	3	1.68
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	3	1.68
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	3	1.68
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	3	1.68
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	3	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	12	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	12	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	12	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	12	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	12	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	12	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	12	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	12	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	12	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	14	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	14	1.68
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	14	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	14	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	14	1.68
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	14	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	14	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	14	1.68
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	14	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	1	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	1	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	1	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	1.68
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	5	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	5	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	5	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	5	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	5	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	5	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	13	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	13	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	13	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	13	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	13	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	13	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	18	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	18	1.68
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	18	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	18	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	18	1.68
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	18	1.68
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	1	1.68
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	1	1.68
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	1	1.68
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	20	1.68
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	20	1.68
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	20	1.68
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	20	1.68
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	20	1.68
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	20	1.68
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	20	1.68
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	20	1.68
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	20	1.68
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	16	1.68
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	16	1.68
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	9	1.68
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	9	1.68
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	9	1.68
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	8	1.68
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	13	1.68
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	13	1.68
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	7	1.68
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	7	1.68
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	7	1.68
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	9	1.68
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	9	1.68
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	9	1.68
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	4	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	4	1.68
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	9	1.68
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	9	1.68
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	17	1.68
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	17	1.68
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	4	1.68
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	20	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	7	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	7	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	7	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	7	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	17	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	17	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	17	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	17	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	18	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	18	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	18	1.68
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	18	1.68
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	4	1.68
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	4	1.68
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	4	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	4	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	4	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	4	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	9	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	9	1.68
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	9	1.68
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	1	1.68
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	9	1.68
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	8	1.68
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	17	1.68
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	17	1.68
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	4	1.68
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	4	1.68
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	4	1.68
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	2	1.68
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	2	1.68
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	19	1.68
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	19	1.68
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.68
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	6	1.68
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	6	1.68
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	7	1.68
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	7	1.68
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	16	1.68
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	16	1.68
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	19	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	1	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	1	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	1	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	2	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	2	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	2	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	10	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	10	1.68
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	10	1.68
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	17	1.68
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	17	1.68
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	17	1.68
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	17	1.68
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	17	1.68
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	17	1.68
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB1	11	1.68
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB2	11	1.68
(1,843)	1:205:A:SER:HB2	1:210:A:ALA:HB3	11	1.68
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB1	11	1.68
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB2	11	1.68
(1,843)	1:205:A:SER:HB3	1:210:A:ALA:HB3	11	1.68
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	8	1.68
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	8	1.68
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	8	1.68
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	8	1.68
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	8	1.68
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	8	1.68
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	17	1.68
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	17	1.68
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	17	1.68
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	17	1.68
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	17	1.68
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	17	1.68
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	17	1.68
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	17	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	17	1.68
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	16	1.68
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	16	1.68
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	16	1.68
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	16	1.68
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	16	1.68
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	16	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	1	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	1	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	1	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	1	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	1	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	1	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	6	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	6	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	6	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	6	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	6	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	6	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	9	1.68
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	9	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	9	1.68
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	9	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	9	1.68
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	9	1.68
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	17	1.68
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	17	1.68
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	17	1.68
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	3	1.68
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	17	1.68
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	17	1.68
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	17	1.68
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	17	1.68
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	17	1.68
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	17	1.68
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	13	1.68
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	13	1.68
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	13	1.68
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	13	1.68
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	13	1.68
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	13	1.68
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	13	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	13	1.68
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	13	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	4	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	4	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	4	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG21	18	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG22	18	1.68
(1,677)	1:61:A:ILE:HA	1:61:A:ILE:HG23	18	1.68
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	6	1.68
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	6	1.68
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	6	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	11	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	11	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	11	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	12	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	12	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	12	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	13	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	13	1.68
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	13	1.68
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	10	1.68
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	10	1.68
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	10	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	3	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	3	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	3	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	3	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	3	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	3	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	3	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	3	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	3	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	5	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	5	1.68
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	5	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	5	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	5	1.68
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	5	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	5	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	5	1.68
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	5	1.68
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	5	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	5	1.68
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	6	1.68
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	6	1.68
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	15	1.68
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	15	1.68
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	15	1.68
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	11	1.68
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	11	1.68
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	3	1.68
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	3	1.68
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	7	1.68
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	7	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	1	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	1	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	1	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	14	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	14	1.68
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	14	1.68
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	9	1.68
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	6	1.68
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	6	1.68
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	6	1.68
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	13	1.68
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	13	1.68
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	13	1.68
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	3	1.68
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	3	1.68
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	3	1.68
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	15	1.68
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	15	1.68
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	15	1.68
(1,431)	1:213:A:TYR:HD1	1:214:A:PRO:HD2	19	1.68
(1,431)	1:213:A:TYR:HD2	1:214:A:PRO:HD2	19	1.68
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	19	1.68
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	19	1.68
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	19	1.68
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	19	1.68
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	1	1.68
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	1	1.68
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	1	1.68
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	1	1.68
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	1	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	1	1.68
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	1	1.68
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	1	1.68
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	1	1.68
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	1	1.68
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	1	1.68
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	1	1.68
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	1	1.68
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	1	1.68
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	1	1.68
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	7	1.68
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	20	1.68
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	20	1.68
(1,354)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	20	1.68
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	1	1.68
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	1	1.68
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	1	1.68
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	16	1.68
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	16	1.68
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	16	1.68
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	16	1.68
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	16	1.68
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	16	1.68
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	16	1.68
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	16	1.68
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	16	1.68
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	11	1.68
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	11	1.68
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	11	1.68
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	11	1.68
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	11	1.68
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	11	1.68
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	6	1.68
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	6	1.68
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	6	1.68
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	18	1.68
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	18	1.68
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	9	1.68
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	15	1.68
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	15	1.68
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	15	1.68
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	15	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	15	1.68
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	15	1.68
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	8	1.68
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	19	1.68
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	19	1.68
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	19	1.68
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	19	1.68
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	16	1.68
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	16	1.68
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	16	1.68
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	11	1.68
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	11	1.68
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	11	1.68
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	11	1.68
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	11	1.68
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	11	1.68
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	11	1.68
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	11	1.68
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	11	1.68
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	20	1.68
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	20	1.68
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	20	1.68
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	2	1.68
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	2	1.68
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	2	1.68
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	8	1.68
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	8	1.68
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	8	1.68
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	8	1.68
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	8	1.68
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	8	1.68
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	8	1.68
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	8	1.68
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	8	1.68
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	5	1.68
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	5	1.68
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	5	1.68
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	20	1.68
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	20	1.68
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	20	1.68
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	6	1.68
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	6	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	11	1.68
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	11	1.68
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	3	1.68
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	3	1.68
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	16	1.68
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	16	1.68
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	19	1.68
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	19	1.68
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	12	1.67
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	12	1.67
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	12	1.67
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	8	1.67
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	8	1.67
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	8	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	2	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	13	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	14	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	14	1.67
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	14	1.67
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	20	1.67
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	20	1.67
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	20	1.67
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	4	1.67
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	4	1.67
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	4	1.67
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	4	1.67
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	4	1.67
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	4	1.67
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	4	1.67
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	4	1.67
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	1.67
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	1.67
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	6	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	6	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	6	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	6	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	6	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	9	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	9	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	9	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	9	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	13	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	13	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	13	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	13	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	15	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	15	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	15	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	15	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	16	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	16	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	16	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	16	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	16	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.67
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.67
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	4	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	4	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	4	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	4	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	4	1.67
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	4	1.67
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	5	1.67
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	5	1.67
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	5	1.67
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	11	1.67
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	11	1.67
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	11	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	8	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	8	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	8	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	11	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	11	1.67
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	11	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	17	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	17	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	17	1.67
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	17	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	17	1.67
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	17	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	17	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	17	1.67
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	17	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	4	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	4	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	4	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	10	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	10	1.67
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	10	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	15	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	15	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	15	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	15	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	15	1.67
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	15	1.67
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	4	1.67
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	4	1.67
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	4	1.67
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	4	1.67
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	4	1.67
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	4	1.67
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	4	1.67
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	4	1.67
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	4	1.67
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD21	2	1.67
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD22	2	1.67
(1,1881)	1:193:A:THR:HG21	1:226:A:LEU:HD23	2	1.67
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD21	2	1.67
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD22	2	1.67
(1,1881)	1:193:A:THR:HG22	1:226:A:LEU:HD23	2	1.67
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD21	2	1.67
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD22	2	1.67
(1,1881)	1:193:A:THR:HG23	1:226:A:LEU:HD23	2	1.67
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	11	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	11	1.67
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	11	1.67
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	11	1.67
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	5	1.67
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	5	1.67
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	5	1.67
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	11	1.67
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	11	1.67
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	11	1.67
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	2	1.67
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	2	1.67
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	2	1.67
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	2	1.67
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	2	1.67
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	2	1.67
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	2	1.67
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	2	1.67
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	2	1.67
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	6	1.67
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	6	1.67
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	6	1.67
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	19	1.67
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	19	1.67
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	19	1.67
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	9	1.67
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	3	1.67
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	3	1.67
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	5	1.67
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	19	1.67
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	18	1.67
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	18	1.67
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	18	1.67
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	5	1.67
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	5	1.67
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	16	1.67
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	16	1.67
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	16	1.67
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	16	1.67
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	16	1.67
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	16	1.67
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	5	1.67
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	5	1.67
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	5	1.67
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	5	1.67
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	1	1.67
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	1	1.67
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	1	1.67
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	1	1.67
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	20	1.67
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	20	1.67
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	20	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	1	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	1	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	1	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	18	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	18	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	18	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	20	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	20	1.67
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	20	1.67
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	4	1.67
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	5	1.67
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	15	1.67
(1,1281)	1:104:A:THR:HG21	1:105:A:VAL:H	4	1.67
(1,1281)	1:104:A:THR:HG22	1:105:A:VAL:H	4	1.67
(1,1281)	1:104:A:THR:HG23	1:105:A:VAL:H	4	1.67
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	5	1.67
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	5	1.67
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	19	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	19	1.67
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	16	1.67
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	16	1.67
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	16	1.67
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	8	1.67
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	8	1.67
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	9	1.67
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	9	1.67
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	17	1.67
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	17	1.67
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	2	1.67
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	13	1.67
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	15	1.67
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	15	1.67
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	7	1.67
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	7	1.67
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	7	1.67
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	7	1.67
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	7	1.67
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	7	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	18	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	18	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	18	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	19	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	19	1.67
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	19	1.67
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	15	1.67
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	15	1.67
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	15	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	3	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	3	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	3	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	3	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	3	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	3	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	13	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	13	1.67
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	13	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	13	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	13	1.67
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	13	1.67
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	16	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	16	1.67
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	16	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	13	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	13	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	13	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	13	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	13	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	13	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	15	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	15	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	15	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	15	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	15	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	15	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	19	1.67
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	19	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	19	1.67
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	19	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	19	1.67
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	19	1.67
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	5	1.67
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	5	1.67
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	5	1.67
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	5	1.67
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	5	1.67
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	5	1.67
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	17	1.67
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	17	1.67
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	17	1.67
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	17	1.67
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	17	1.67
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	17	1.67
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	6	1.67
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	6	1.67
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	6	1.67
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	18	1.67
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	2	1.67
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	2	1.67
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	17	1.67
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	17	1.67
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	4	1.67
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	4	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	4	1.67
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	14	1.67
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	14	1.67
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	14	1.67
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	14	1.67
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	14	1.67
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	14	1.67
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	19	1.67
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	19	1.67
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	5	1.67
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	12	1.67
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	11	1.67
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	11	1.67
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	15	1.67
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	15	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	11	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	11	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	11	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	12	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	12	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	12	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	13	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	13	1.67
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	13	1.67
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	13	1.67
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	13	1.67
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	13	1.67
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	13	1.67
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	12	1.67
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	12	1.67
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	17	1.67
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	17	1.67
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	17	1.67
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	14	1.67
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	14	1.67
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	14	1.67
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	9	1.67
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	11	1.67
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	11	1.67
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	11	1.67
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	19	1.67
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	7	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	7	1.67
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	7	1.67
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD11	20	1.67
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD12	20	1.67
(1,345)	1:91:A:TYR:HB2	1:136:A:ILE:HD13	20	1.67
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD11	20	1.67
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD12	20	1.67
(1,345)	1:91:A:TYR:HB3	1:136:A:ILE:HD13	20	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	2	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	2	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	2	1.67
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	2	1.67
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	2	1.67
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	2	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	2	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	2	1.67
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	2	1.67
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	4	1.67
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	4	1.67
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	4	1.67
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	12	1.67
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	12	1.67
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	18	1.67
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	18	1.67
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	7	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	1	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	1	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	1	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	11	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	11	1.67
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	11	1.67
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	5	1.67
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	1	1.67
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	1	1.67
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	17	1.67
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	17	1.67
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	17	1.67
(1,196)	1:192:A:ALA:HB1	1:193:A:THR:H	5	1.67
(1,196)	1:192:A:ALA:HB2	1:193:A:THR:H	5	1.67
(1,196)	1:192:A:ALA:HB3	1:193:A:THR:H	5	1.67
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	5	1.67
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	5	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	5	1.67
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	9	1.67
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	9	1.67
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	9	1.67
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	17	1.67
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	17	1.67
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	17	1.67
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	16	1.67
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	16	1.67
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	16	1.67
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	16	1.67
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	16	1.67
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	16	1.67
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	16	1.67
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	16	1.67
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	16	1.67
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	6	1.67
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	6	1.67
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	6	1.67
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	3	1.67
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	3	1.67
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	3	1.67
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	3	1.67
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	7	1.67
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	2	1.67
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	2	1.67
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	2	1.67
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	7	1.67
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	7	1.67
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	7	1.67
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	17	1.67
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	17	1.67
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	17	1.67
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	11	1.67
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	6	1.67
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	6	1.67
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	7	1.67
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	11	1.67
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	12	1.67
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	12	1.67
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	15	1.67
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	15	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	6	1.67
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	6	1.67
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	20	1.67
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	20	1.67
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	2	1.67
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	17	1.66
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	17	1.66
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	17	1.66
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.66
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.66
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	4	1.66
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	4	1.66
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	4	1.66
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	5	1.66
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	5	1.66
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	5	1.66
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	2	1.66
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	2	1.66
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	2	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	15	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	15	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	15	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	15	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	15	1.66
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	15	1.66
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	15	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	2	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	2	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	10	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	10	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	10	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	19	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	19	1.66
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	19	1.66
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	1.66
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	1.66
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	1.66
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	5	1.66
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	5	1.66
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	5	1.66
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	5	1.66
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	5	1.66
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	5	1.66
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	5	1.66
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	5	1.66
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	5	1.66
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	2	1.66
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	2	1.66
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	2	1.66
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	19	1.66
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	19	1.66
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	19	1.66
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	19	1.66
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	19	1.66
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	19	1.66
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	19	1.66
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	19	1.66
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	19	1.66
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	6	1.66
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	6	1.66
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	6	1.66
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	1	1.66
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	1	1.66
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	1	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	1	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	1	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	1	1.66
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	6	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	6	1.66
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	6	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	6	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	6	1.66
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	6	1.66
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	12	1.66
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	12	1.66
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	12	1.66
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	16	1.66
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	16	1.66
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	16	1.66
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	15	1.66
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	15	1.66
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	15	1.66
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	15	1.66
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	15	1.66
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	15	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	11	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	11	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	11	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	11	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	11	1.66
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	11	1.66
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	6	1.66
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	6	1.66
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	6	1.66
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	6	1.66
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	6	1.66
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	6	1.66
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	6	1.66
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	6	1.66
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	2	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	2	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	2	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	2	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	2	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	2	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	2	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	4	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	4	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	6	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	6	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	7	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	7	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	9	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	9	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	9	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	9	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	9	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	9	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	11	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	11	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	13	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	13	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	16	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	16	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	16	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	16	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	16	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	16	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	16	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	17	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	17	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	20	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	20	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	20	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	20	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	20	1.66
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	20	1.66
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	20	1.66
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	7	1.66
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	7	1.66
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	7	1.66
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	4	1.66
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	4	1.66
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	4	1.66
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	4	1.66
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	4	1.66
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	4	1.66
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	13	1.66
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	13	1.66
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	13	1.66
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	14	1.66
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	14	1.66
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	14	1.66
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG11	13	1.66
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG12	13	1.66
(1,1810)	1:69:A:VAL:HA	1:69:A:VAL:HG13	13	1.66
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	2	1.66
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	2	1.66
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	2	1.66
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	2	1.66
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	2	1.66
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	2	1.66
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	19	1.66
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	19	1.66
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	9	1.66
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	2	1.66
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	2	1.66
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	16	1.66
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	16	1.66
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	9	1.66
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	17	1.66
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	17	1.66
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	2	1.66
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	2	1.66
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	18	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	18	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	1	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	1	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	10	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	10	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	20	1.66
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	20	1.66
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	17	1.66
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	17	1.66
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	18	1.66
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	18	1.66
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	7	1.66
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	7	1.66
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	7	1.66
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	14	1.66
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	14	1.66
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	14	1.66
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	18	1.66
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	18	1.66
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	18	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	5	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	5	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	5	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	14	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	14	1.66
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	14	1.66
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	16	1.66
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	8	1.66
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	8	1.66
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	8	1.66
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	18	1.66
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	1	1.66
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	2	1.66
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	9	1.66
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	11	1.66
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	16	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	3	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	3	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	3	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	10	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	10	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	10	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	14	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	14	1.66
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	14	1.66
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	12	1.66
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	12	1.66
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	12	1.66
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	17	1.66
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	17	1.66
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	17	1.66
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	20	1.66
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	20	1.66
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	20	1.66
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	7	1.66
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	7	1.66
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	2	1.66
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	2	1.66
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	2	1.66
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	15	1.66
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	15	1.66
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	18	1.66
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	7	1.66
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	7	1.66
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	9	1.66
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	9	1.66
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	9	1.66
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	9	1.66
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	15	1.66
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	15	1.66
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	15	1.66
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	15	1.66
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	15	1.66
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	15	1.66
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	16	1.66
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	16	1.66
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	16	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	9	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	9	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	9	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	14	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	14	1.66
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	14	1.66
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	19	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	19	1.66
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	19	1.66
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	19	1.66
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	19	1.66
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	19	1.66
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	1	1.66
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	1	1.66
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	1	1.66
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	6	1.66
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	6	1.66
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	6	1.66
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	6	1.66
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	6	1.66
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	6	1.66
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB1	8	1.66
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB2	8	1.66
(1,822)	1:112:A:ALA:HB1	1:192:A:ALA:HB3	8	1.66
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB1	8	1.66
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB2	8	1.66
(1,822)	1:112:A:ALA:HB2	1:192:A:ALA:HB3	8	1.66
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB1	8	1.66
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB2	8	1.66
(1,822)	1:112:A:ALA:HB3	1:192:A:ALA:HB3	8	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	1	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	1	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	1	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	1	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	1	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	1	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	9	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	9	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	9	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	9	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	9	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	9	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	12	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	12	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	12	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	12	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	12	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	12	1.66
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	20	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	20	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	20	1.66
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	20	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	20	1.66
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	20	1.66
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	11	1.66
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	11	1.66
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	11	1.66
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	11	1.66
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	11	1.66
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	11	1.66
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	19	1.66
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	2	1.66
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	12	1.66
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	6	1.66
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	6	1.66
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	6	1.66
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	6	1.66
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	6	1.66
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	6	1.66
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	12	1.66
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	12	1.66
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	12	1.66
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	12	1.66
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	12	1.66
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	12	1.66
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	15	1.66
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	15	1.66
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	2	1.66
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	2	1.66
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	14	1.66
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	14	1.66
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	2	1.66
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	2	1.66
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	1	1.66
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	1	1.66
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	1	1.66
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	2	1.66
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	9	1.66
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	9	1.66
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	9	1.66
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	15	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	15	1.66
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	15	1.66
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	20	1.66
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	12	1.66
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	12	1.66
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	12	1.66
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	8	1.66
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	5	1.66
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	5	1.66
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	5	1.66
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	5	1.66
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	5	1.66
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	5	1.66
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	16	1.66
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	16	1.66
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	16	1.66
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	3	1.66
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	3	1.66
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	8	1.66
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	8	1.66
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	16	1.66
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	16	1.66
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	13	1.66
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	5	1.66
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	5	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	5	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	5	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	5	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG21	11	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG22	11	1.66
(1,349)	1:156:A:LEU:HG	1:186:A:ILE:HG23	11	1.66
(1,320)	1:104:A:THR:HG21	1:105:A:VAL:HA	10	1.66
(1,320)	1:104:A:THR:HG22	1:105:A:VAL:HA	10	1.66
(1,320)	1:104:A:THR:HG23	1:105:A:VAL:HA	10	1.66
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	1	1.66
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	1	1.66
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	5	1.66
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	5	1.66
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	2	1.66
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	3	1.66
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	5	1.66
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	5	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	17	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	17	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	17	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	19	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	19	1.66
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	19	1.66
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	17	1.66
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	17	1.66
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	15	1.66
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	3	1.66
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	3	1.66
(1,264)	1:122:A:LEU:H	1:122:A:LEU:HB2	5	1.66
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	17	1.66
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	17	1.66
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	17	1.66
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	17	1.66
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	17	1.66
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	17	1.66
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	17	1.66
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	17	1.66
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	17	1.66
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	10	1.66
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	10	1.66
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	10	1.66
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	10	1.66
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	10	1.66
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	10	1.66
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	10	1.66
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	10	1.66
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	10	1.66
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	3	1.66
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	3	1.66
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	3	1.66
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	13	1.66
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	13	1.66
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	13	1.66
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	10	1.66
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	10	1.66
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	10	1.66
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	14	1.66
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	14	1.66
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	14	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	14	1.66
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	14	1.66
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	14	1.66
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	16	1.66
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	16	1.66
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	16	1.66
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	16	1.66
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	16	1.66
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	16	1.66
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	3	1.66
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	3	1.66
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	3	1.66
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	14	1.66
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	14	1.66
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	14	1.66
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	17	1.66
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	17	1.66
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	17	1.66
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	19	1.66
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	19	1.66
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	19	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	2	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	2	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	2	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	14	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	14	1.66
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	14	1.66
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	17	1.66
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	17	1.66
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	19	1.66
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG21	20	1.66
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG22	20	1.66
(1,58)	1:90:A:THR:HA	1:90:A:THR:HG23	20	1.66
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	1	1.66
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	1	1.66
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	6	1.66
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	6	1.66
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	10	1.66
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	10	1.66
(1,40)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	20	1.66
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	7	1.66
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	7	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	7	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	7	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	7	1.66
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	14	1.66
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	14	1.66
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	14	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	14	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	14	1.66
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	14	1.66
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	4	1.66
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	4	1.66
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	7	1.66
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	7	1.66
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	20	1.66
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	1	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	1	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	1	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	6	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	6	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	6	1.65
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	8	1.65
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	18	1.65
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	18	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	12	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	12	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	12	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	12	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	12	1.65
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	12	1.65
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	12	1.65
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	9	1.65
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	9	1.65
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	9	1.65
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	9	1.65
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	9	1.65
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	9	1.65
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	9	1.65
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	9	1.65
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	18	1.65
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	18	1.65
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	18	1.65
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	15	1.65
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	15	1.65
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	15	1.65
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	18	1.65
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	18	1.65
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	18	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	13	1.65
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	13	1.65
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	13	1.65
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	6	1.65
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	6	1.65
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	6	1.65
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	6	1.65
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	6	1.65
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	6	1.65
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	6	1.65
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	6	1.65
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	6	1.65
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	11	1.65
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	11	1.65
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	11	1.65
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	11	1.65
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	11	1.65
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	11	1.65
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	11	1.65
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	11	1.65
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	11	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	3	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	3	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	3	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	3	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	5	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	5	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	5	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	5	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	5	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	12	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	12	1.65
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	12	1.65
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	12	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	6	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	6	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	6	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	6	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	6	1.65
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	6	1.65
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	20	1.65
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	20	1.65
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	20	1.65
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	20	1.65
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	20	1.65
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	20	1.65
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	20	1.65
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	20	1.65
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	20	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	3	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	3	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	3	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	19	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	19	1.65
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	19	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	11	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	11	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	11	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	11	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	11	1.65
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	11	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	11	1.65
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	11	1.65
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	11	1.65
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	11	1.65
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	11	1.65
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	11	1.65
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	2	1.65
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	2	1.65
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	2	1.65
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	2	1.65
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	2	1.65
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	2	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	10	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	18	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	18	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	18	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	18	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	18	1.65
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	18	1.65
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	8	1.65
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	8	1.65
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	8	1.65
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	8	1.65
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	8	1.65
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	8	1.65
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	8	1.65
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	8	1.65
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	8	1.65
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	10	1.65
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	10	1.65
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	10	1.65
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	4	1.65
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	4	1.65
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	4	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	1	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	1	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	1	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	1	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	1	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	1	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	1	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	3	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	3	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	5	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	5	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	10	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	10	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	10	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	10	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	10	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	10	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	10	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	12	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	12	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	14	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	14	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	19	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	19	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	19	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	19	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	19	1.65
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	19	1.65
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	19	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	3	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	3	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	3	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	3	1.65
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	3	1.65
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	3	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	18	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	18	1.65
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	18	1.65
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	18	1.65
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	18	1.65
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	18	1.65
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	11	1.65
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	11	1.65
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	11	1.65
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	19	1.65
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	19	1.65
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	19	1.65
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	19	1.65
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	19	1.65
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	19	1.65
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	17	1.65
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	17	1.65
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	17	1.65
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	17	1.65
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	17	1.65
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	17	1.65
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	17	1.65
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	17	1.65
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	17	1.65
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	4	1.65
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	4	1.65
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	4	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	9	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	9	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	9	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	15	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	15	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	15	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	20	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	20	1.65
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	20	1.65
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	13	1.65
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	13	1.65
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	4	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	4	1.65
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	1	1.65
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	1	1.65
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	3	1.65
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	3	1.65
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	8	1.65
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	8	1.65
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	18	1.65
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	18	1.65
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	18	1.65
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	18	1.65
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	12	1.65
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	12	1.65
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	12	1.65
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	12	1.65
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	14	1.65
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	14	1.65
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	14	1.65
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	4	1.65
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	4	1.65
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	4	1.65
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	4	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	3	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	6	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	7	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	10	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	14	1.65
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	20	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	2	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	2	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	2	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	4	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	4	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	4	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	5	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	5	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	5	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	17	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	17	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	17	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	20	1.65
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	20	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	20	1.65
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	11	1.65
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	11	1.65
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	11	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	2	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	2	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	2	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	5	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	5	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	5	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	7	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	7	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	7	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	11	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	11	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	11	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	12	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	12	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	12	1.65
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	18	1.65
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	18	1.65
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	18	1.65
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	18	1.65
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	8	1.65
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	12	1.65
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	12	1.65
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	12	1.65
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	10	1.65
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	4	1.65
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	9	1.65
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	3	1.65
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	3	1.65
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	3	1.65
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	9	1.65
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	9	1.65
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	9	1.65
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	11	1.65
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	7	1.65
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	7	1.65
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	7	1.65
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	7	1.65
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	7	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	7	1.65
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	11	1.65
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	11	1.65
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	11	1.65
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	18	1.65
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	18	1.65
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	18	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	6	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	6	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	6	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	13	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	13	1.65
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	13	1.65
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	12	1.65
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	5	1.65
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	5	1.65
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	5	1.65
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	5	1.65
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	5	1.65
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	5	1.65
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	18	1.65
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	18	1.65
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	18	1.65
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	18	1.65
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	18	1.65
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	18	1.65
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	8	1.65
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	18	1.65
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	17	1.65
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	17	1.65
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	13	1.65
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	13	1.65
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	13	1.65
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	18	1.65
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	18	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	2	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	2	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	12	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	12	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	18	1.65
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	18	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	2	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	2	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	9	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	9	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	17	1.65
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	17	1.65
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	1	1.65
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	1	1.65
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB3	19	1.65
(1,574)	1:84:A:TRP:H	1:84:A:TRP:HB2	19	1.65
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	4	1.65
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	4	1.65
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	4	1.65
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	4	1.65
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	4	1.65
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	4	1.65
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	14	1.65
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	9	1.65
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	9	1.65
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	9	1.65
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	7	1.65
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	7	1.65
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	7	1.65
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	7	1.65
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	8	1.65
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	8	1.65
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	8	1.65
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	9	1.65
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	9	1.65
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	9	1.65
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	15	1.65
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	15	1.65
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	15	1.65
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	17	1.65
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	1	1.65
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	1	1.65
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	2	1.65
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	9	1.65
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	9	1.65
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	9	1.65
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	9	1.65
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	9	1.65
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	9	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	14	1.65
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	14	1.65
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	1	1.65
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	1	1.65
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	1	1.65
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	1	1.65
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	1	1.65
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	1	1.65
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	1	1.65
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	1	1.65
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	1	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	6	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	6	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	6	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	6	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	19	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	19	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	19	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	19	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	19	1.65
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	19	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	19	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	19	1.65
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	19	1.65
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	14	1.65
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	14	1.65
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	14	1.65
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	14	1.65
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	13	1.65
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	13	1.65
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	8	1.65
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	8	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	8	1.65
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	4	1.65
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	4	1.65
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	4	1.65
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	7	1.65
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	7	1.65
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	8	1.65
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	8	1.65
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	19	1.65
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	19	1.65
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	19	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	3	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	3	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	3	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	3	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	3	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	3	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	10	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	10	1.65
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	10	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	10	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	10	1.65
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	10	1.65
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	13	1.65
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	13	1.65
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	13	1.65
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	19	1.65
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	19	1.65
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	19	1.65
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	19	1.65
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	19	1.65
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	19	1.65
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	9	1.65
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	9	1.65
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	20	1.65
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	20	1.65
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	20	1.65
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	3	1.65
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	6	1.65
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	6	1.65
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	6	1.65
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	6	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	6	1.65
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	6	1.65
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	4	1.64
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	4	1.64
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	4	1.64
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	15	1.64
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	15	1.64
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	15	1.64
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.64
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	12	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	12	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	17	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	17	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	17	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	17	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	17	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	17	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	17	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	17	1.64
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	17	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	17	1.64
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	17	1.64
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	14	1.64
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	14	1.64
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	14	1.64
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	14	1.64
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	14	1.64
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	14	1.64
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	14	1.64
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	14	1.64
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	14	1.64
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	14	1.64
(1,2109)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	14	1.64
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	3	1.64
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	3	1.64
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	3	1.64
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	7	1.64
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	7	1.64
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	7	1.64
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	17	1.64
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	17	1.64
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	17	1.64
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	17	1.64
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	17	1.64
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	17	1.64
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	1.64
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	14	1.64
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	14	1.64
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	20	1.64
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	20	1.64
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	20	1.64
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	20	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	20	1.64
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	20	1.64
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	20	1.64
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	20	1.64
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	20	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	2	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	2	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	2	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	2	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	7	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	7	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	7	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	7	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	8	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	8	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	8	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	8	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	11	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	11	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	11	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	14	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	14	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	14	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	14	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	18	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	18	1.64
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	18	1.64
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	18	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	5	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	5	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	5	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	7	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	7	1.64
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	7	1.64
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	9	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	9	1.64
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	9	1.64
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	8	1.64
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	8	1.64
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	8	1.64
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	8	1.64
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	8	1.64
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	8	1.64
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	8	1.64
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	8	1.64
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	8	1.64
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	19	1.64
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	19	1.64
(1,1999)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	19	1.64
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	19	1.64
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	19	1.64
(1,1999)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	19	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	16	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	16	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	16	1.64
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	16	1.64
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	16	1.64
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	16	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	16	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	16	1.64
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	16	1.64
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	16	1.64
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	16	1.64
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	16	1.64
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	2	1.64
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	2	1.64
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	2	1.64
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	2	1.64
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	2	1.64
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	2	1.64
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	2	1.64
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	2	1.64
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	2	1.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	2	1.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	2	1.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	2	1.64
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	2	1.64
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	2	1.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	2	1.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	2	1.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	2	1.64
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	16	1.64
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	16	1.64
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	16	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	8	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	8	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	15	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	15	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD11	18	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD12	18	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD13	18	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD21	18	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD22	18	1.64
(1,1889)	1:156:A:LEU:HB2	1:156:A:LEU:HD23	18	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD11	18	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD12	18	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD13	18	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD21	18	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD22	18	1.64
(1,1889)	1:156:A:LEU:HB3	1:156:A:LEU:HD23	18	1.64
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	18	1.64
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	18	1.64
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	18	1.64
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	18	1.64
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	18	1.64
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	18	1.64
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	18	1.64
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	18	1.64
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	18	1.64
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	3	1.64
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	3	1.64
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	3	1.64
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	19	1.64
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	19	1.64
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	19	1.64
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	19	1.64
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	19	1.64
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	19	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	8	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	8	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	8	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	13	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	13	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	13	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	19	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	19	1.64
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	19	1.64
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	20	1.64
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	20	1.64
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	14	1.64
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	14	1.64
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	13	1.64
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	13	1.64
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	20	1.64
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	20	1.64
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	8	1.64
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	8	1.64
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	20	1.64
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	20	1.64
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	7	1.64
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	8	1.64
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	8	1.64
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	8	1.64
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	8	1.64
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	9	1.64
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	9	1.64
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	13	1.64
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	13	1.64
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	13	1.64
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	20	1.64
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	20	1.64
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	20	1.64
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	20	1.64
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	20	1.64
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	20	1.64
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	7	1.64
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	7	1.64
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	7	1.64
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	7	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	3	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	3	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	3	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	12	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	12	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	12	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	19	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	19	1.64
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	19	1.64
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	8	1.64
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	8	1.64
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	19	1.64
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	19	1.64
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	12	1.64
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	18	1.64
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	19	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	7	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	7	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	7	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	12	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	12	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	12	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG21	19	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG22	19	1.64
(1,1271)	1:103:A:ILE:H	1:103:A:ILE:HG23	19	1.64
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	19	1.64
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	19	1.64
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	19	1.64
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	8	1.64
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	6	1.64
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	3	1.64
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	3	1.64
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	4	1.64
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	4	1.64
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	9	1.64
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	9	1.64
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	5	1.64
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	13	1.64
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	13	1.64
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	13	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	5	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	5	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	5	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	13	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	13	1.64
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	13	1.64
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	2	1.64
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	2	1.64
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	2	1.64
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	2	1.64
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	2	1.64
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	2	1.64
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	1	1.64
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	1	1.64
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	1	1.64
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	1	1.64
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	1	1.64
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	1	1.64
(1,841)	1:210:A:ALA:HB1	1:212:A:MET:H	15	1.64
(1,841)	1:210:A:ALA:HB2	1:212:A:MET:H	15	1.64
(1,841)	1:210:A:ALA:HB3	1:212:A:MET:H	15	1.64
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	20	1.64
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	20	1.64
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	20	1.64
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	20	1.64
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	20	1.64
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	20	1.64
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	20	1.64
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	20	1.64
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	20	1.64
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	13	1.64
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	13	1.64
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	13	1.64
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	13	1.64
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	13	1.64
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	13	1.64
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	17	1.64
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	17	1.64
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	17	1.64
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	17	1.64
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	17	1.64
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	17	1.64
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	17	1.64
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	17	1.64
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	17	1.64
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	17	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	17	1.64
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	17	1.64
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	7	1.64
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	7	1.64
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	7	1.64
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	13	1.64
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	13	1.64
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	13	1.64
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	13	1.64
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	13	1.64
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	13	1.64
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	6	1.64
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	8	1.64
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	5	1.64
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	5	1.64
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	2	1.64
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	2	1.64
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	11	1.64
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	11	1.64
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	11	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	12	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	12	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	12	1.64
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	12	1.64
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	12	1.64
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	12	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	12	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	12	1.64
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	12	1.64
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	2	1.64
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	2	1.64
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	2	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	7	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	7	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	7	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	10	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	10	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	10	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	15	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	15	1.64
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	15	1.64
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	11	1.64
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	11	1.64
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	11	1.64
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	11	1.64
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	11	1.64
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	2	1.64
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	2	1.64
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	2	1.64
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	2	1.64
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	2	1.64
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	13	1.64
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	11	1.64
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	11	1.64
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	11	1.64
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	15	1.64
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	3	1.64
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	3	1.64
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	3	1.64
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	3	1.64
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	4	1.64
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	4	1.64
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	4	1.64
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	4	1.64
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	3	1.64
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	1	1.64
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	1	1.64
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	1	1.64
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	1	1.64
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	1	1.64
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	1	1.64
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	4	1.64
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	4	1.64
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	4	1.64
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	1	1.64
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	1	1.64
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	1	1.64
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	19	1.64
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	19	1.64
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	19	1.64
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	1	1.64
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	1	1.64
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	7	1.64
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	5	1.64
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	5	1.64
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	12	1.64
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	9	1.64
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	9	1.64
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	9	1.64
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	9	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	13	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	13	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	13	1.64
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	13	1.64
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	13	1.64
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	13	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	13	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	13	1.64
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	13	1.64
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	18	1.64
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	18	1.64
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	18	1.64
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	5	1.64
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	5	1.64
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	5	1.64
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	1	1.64
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	1	1.64
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	1	1.64
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	1	1.64
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	8	1.64
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	8	1.64
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	8	1.64
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	11	1.64
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	12	1.64
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	16	1.64
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	4	1.64
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	11	1.64
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	11	1.64
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	11	1.64
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	11	1.64
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	11	1.64
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	11	1.64
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	11	1.64
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	11	1.64
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	11	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	4	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	4	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	4	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	10	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	10	1.64
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	10	1.64
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	7	1.64
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	7	1.64
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	7	1.64
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	16	1.64
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	16	1.64
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	16	1.64
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	14	1.64
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	14	1.64
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	14	1.64
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	19	1.64
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	19	1.64
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	19	1.64
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	14	1.64
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	8	1.64
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	8	1.64
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	4	1.64
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	4	1.64
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	4	1.64
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	10	1.64
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	15	1.64
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	15	1.64
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	15	1.64
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	15	1.64
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	3	1.64
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	3	1.64
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	12	1.64
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	12	1.64
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	4	1.64
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	4	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	6	1.64
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	17	1.64
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	17	1.64
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.63
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.63
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	7	1.63
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	7	1.63
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	7	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	2	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	2	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	4	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	4	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	9	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	9	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	14	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	14	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	14	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	14	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	14	1.63
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	14	1.63
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	14	1.63
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	3	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	3	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	3	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	3	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	3	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	3	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	3	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	3	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	5	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	5	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	5	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	5	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	5	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	5	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	5	1.63
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	5	1.63
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	1.63
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	18	1.63
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	18	1.63
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG21	14	1.63
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG22	14	1.63
(1,2067)	1:69:A:VAL:HA	1:69:A:VAL:HG23	14	1.63
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	14	1.63
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	14	1.63
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	14	1.63
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	14	1.63
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	14	1.63
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	14	1.63
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	14	1.63
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	14	1.63
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	14	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	10	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	10	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	10	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	10	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	10	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	19	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	19	1.63
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	19	1.63
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	19	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	9	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	9	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	9	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	9	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	9	1.63
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	9	1.63
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	9	1.63
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	9	1.63
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	1	1.63
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	1	1.63
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	1	1.63
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	10	1.63
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	10	1.63
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	10	1.63
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	10	1.63
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	10	1.63
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	10	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	17	1.63
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	17	1.63
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	17	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	18	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	18	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	18	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	18	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	18	1.63
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	18	1.63
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	18	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG11	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG12	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG13	1:90:A:THR:HG23	1	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG21	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG22	1:90:A:THR:HG23	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG21	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG22	1	1.63
(1,1945)	1:88:A:VAL:HG23	1:90:A:THR:HG23	1	1.63
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	14	1.63
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	14	1.63
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	14	1.63
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	14	1.63
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	14	1.63
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	14	1.63
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	5	1.63
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	5	1.63
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	5	1.63
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	13	1.63
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	13	1.63
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	13	1.63
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	1	1.63
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	1	1.63
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	1	1.63
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	11	1.63
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	11	1.63
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	11	1.63
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	1	1.63
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	1	1.63
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	1	1.63
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	1.63
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	1.63
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	1.63
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	9	1.63
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	9	1.63
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	6	1.63
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	6	1.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	16	1.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	16	1.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	16	1.63
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	6	1.63
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	13	1.63
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	13	1.63
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	1	1.63
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	1	1.63
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	17	1.63
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	17	1.63
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	17	1.63
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	17	1.63
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	6	1.63
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	6	1.63
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	6	1.63
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	6	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	1	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	1	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	1	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB1	10	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB2	10	1.63
(1,1448)	1:159:A:ALA:H	1:159:A:ALA:HB3	10	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	7	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	7	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	12	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	12	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	20	1.63
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	20	1.63
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	12	1.63
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	12	1.63
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	12	1.63
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	19	1.63
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	19	1.63
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	19	1.63
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	12	1.63
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	12	1.63
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	13	1.63
(1,1311)	1:108:A:LEU:HA	1:111:A:LYS:H	17	1.63
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	20	1.63
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	20	1.63
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	20	1.63
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	2	1.63
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	2	1.63
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	2	1.63
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	2	1.63
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	2	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	2	1.63
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	17	1.63
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	17	1.63
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	17	1.63
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	17	1.63
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	17	1.63
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	17	1.63
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	20	1.63
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	20	1.63
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	20	1.63
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	20	1.63
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	20	1.63
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	20	1.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	4	1.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	4	1.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	4	1.63
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	4	1.63
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	4	1.63
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	4	1.63
(1,759)	1:120:A:ILE:HB	1:121:A:PRO:HD2	2	1.63
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	15	1.63
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	15	1.63
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	15	1.63
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	19	1.63
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	19	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	1	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	1	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	1	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	1	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.63
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.63
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG21	11	1.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG22	11	1.63
(1,679)	1:61:A:ILE:HG21	1:215:A:THR:HG23	11	1.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG21	11	1.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG22	11	1.63
(1,679)	1:61:A:ILE:HG22	1:215:A:THR:HG23	11	1.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG21	11	1.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG22	11	1.63
(1,679)	1:61:A:ILE:HG23	1:215:A:THR:HG23	11	1.63
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	10	1.63
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	10	1.63
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	10	1.63
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	18	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	10	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	10	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	13	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	13	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	16	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	16	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	20	1.63
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	20	1.63
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	13	1.63
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	18	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	7	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	7	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	7	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	10	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	10	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	10	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	15	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	15	1.63
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	15	1.63
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	1	1.63
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	18	1.63
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	18	1.63
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	18	1.63
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	1	1.63
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	1	1.63
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	1	1.63
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	20	1.63
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	20	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	20	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	4	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	4	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	4	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	8	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	8	1.63
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	8	1.63
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	4	1.63
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	4	1.63
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	4	1.63
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	4	1.63
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	4	1.63
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	4	1.63
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	15	1.63
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	15	1.63
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	15	1.63
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	15	1.63
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	15	1.63
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	15	1.63
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	15	1.63
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	15	1.63
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	15	1.63
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	15	1.63
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	15	1.63
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	15	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	2	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	4	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	5	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	10	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	12	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	14	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	15	1.63
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	19	1.63
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	1	1.63
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	1	1.63
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	1	1.63
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	1	1.63
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	1	1.63
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	1	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	5	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	5	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	5	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	16	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	16	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	16	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	16	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	16	1.63
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	16	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	16	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	16	1.63
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	16	1.63
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	18	1.63
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	18	1.63
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	18	1.63
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	1	1.63
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	1	1.63
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	7	1.63
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	7	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	1	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	5	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	13	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	17	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	18	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	19	1.63
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	20	1.63
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	14	1.63
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	14	1.63
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	14	1.63
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	5	1.63
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	5	1.63
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	5	1.63
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	5	1.63
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	5	1.63
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	5	1.63
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	7	1.63
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	7	1.63
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	7	1.63
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	2	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	2	1.63
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	2	1.63
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	10	1.63
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	10	1.63
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	10	1.63
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	17	1.63
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	17	1.63
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	17	1.63
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	18	1.63
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	18	1.63
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	18	1.63
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	18	1.63
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	18	1.63
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	18	1.63
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	18	1.63
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	18	1.63
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	18	1.63
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	3	1.63
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	5	1.63
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	5	1.63
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	5	1.63
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	5	1.63
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	5	1.63
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	19	1.63
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	20	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	20	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	20	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	20	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	20	1.62
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	20	1.62
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	18	1.62
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	18	1.62
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	18	1.62
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	16	1.62
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	16	1.62
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	16	1.62
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	20	1.62
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	20	1.62
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.62
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	1.62
(1,2165)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	1.62
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD21	10	1.62
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD22	10	1.62
(1,2145)	1:226:A:LEU:HA	1:226:A:LEU:HD23	10	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	3	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	3	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	3	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	3	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	3	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	3	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	6	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	6	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	6	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	6	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	6	1.62
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	6	1.62
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	6	1.62
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	20	1.62
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	20	1.62
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	20	1.62
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	8	1.62
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	8	1.62
(1,2086)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	8	1.62
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	4	1.62
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	4	1.62
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	10	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	10	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	10	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	10	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	10	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	10	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	10	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	10	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	10	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	16	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	16	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	16	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	16	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	16	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	16	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	16	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	16	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	16	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	18	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	18	1.62
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	18	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	18	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	18	1.62
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	18	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	18	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	18	1.62
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	18	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	1	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	1	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	1	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	1	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	17	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	17	1.62
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	17	1.62
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	17	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	16	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	16	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	16	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	16	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	16	1.62
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	16	1.62
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	2	1.62
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	2	1.62
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	2	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	1.62
(1,2037)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	1.62
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	16	1.62
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	16	1.62
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	16	1.62
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	17	1.62
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	17	1.62
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	17	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	7	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	7	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	7	1.62
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	7	1.62
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	7	1.62
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	7	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	7	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	7	1.62
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	7	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	17	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	17	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	17	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	17	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	17	1.62
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	17	1.62
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	17	1.62
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	3	1.62
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	3	1.62
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	6	1.62
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	6	1.62
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	6	1.62
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	3	1.62
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	3	1.62
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	5	1.62
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	5	1.62
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	5	1.62
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	3	1.62
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	3	1.62
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	3	1.62
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	3	1.62
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	3	1.62
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	3	1.62
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	15	1.62
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	15	1.62
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	15	1.62
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	15	1.62
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	15	1.62
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	15	1.62
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	15	1.62
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	15	1.62
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	15	1.62
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	2	1.62
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	2	1.62
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	2	1.62
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	2	1.62
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	2	1.62
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	2	1.62
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	2	1.62
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	2	1.62
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	2	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	16	1.62
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	16	1.62
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	16	1.62
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	17	1.62
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	17	1.62
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	17	1.62
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	14	1.62
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	14	1.62
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	14	1.62
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	17	1.62
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	17	1.62
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	17	1.62
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	7	1.62
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	7	1.62
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	7	1.62
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	2	1.62
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	2	1.62
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	1.62
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	16	1.62
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	16	1.62
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	7	1.62
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	7	1.62
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	3	1.62
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	18	1.62
(1,1696)	1:43:A:GLN:HE21	1:52:A:GLY:H	19	1.62
(1,1696)	1:43:A:GLN:HE22	1:52:A:GLY:H	19	1.62
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	9	1.62
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	9	1.62
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	19	1.62
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	19	1.62
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	18	1.62
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	10	1.62
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	10	1.62
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	3	1.62
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	3	1.62
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	3	1.62
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	19	1.62
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	19	1.62
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	19	1.62
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	1	1.62
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	1	1.62
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	10	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	10	1.62
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	10	1.62
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	10	1.62
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	18	1.62
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	18	1.62
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	18	1.62
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	18	1.62
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	18	1.62
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	18	1.62
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	8	1.62
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	8	1.62
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	8	1.62
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	3	1.62
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	3	1.62
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	3	1.62
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	5	1.62
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	8	1.62
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	8	1.62
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	8	1.62
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	5	1.62
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	5	1.62
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	5	1.62
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	19	1.62
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	12	1.62
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	12	1.62
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	7	1.62
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	7	1.62
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	20	1.62
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	20	1.62
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	20	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	3	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	3	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	3	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	12	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	12	1.62
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	12	1.62
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	10	1.62
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	10	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	10	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	10	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	10	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	10	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	11	1.62
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	11	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	11	1.62
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	11	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	11	1.62
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	11	1.62
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	14	1.62
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	14	1.62
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	14	1.62
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	10	1.62
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	10	1.62
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	10	1.62
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	10	1.62
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	10	1.62
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	10	1.62
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	18	1.62
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	18	1.62
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	18	1.62
(1,739)	1:105:A:VAL:H	1:105:A:VAL:HB	7	1.62
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	1	1.62
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	1	1.62
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	1	1.62
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	1	1.62
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	1	1.62
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	1	1.62
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	16	1.62
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	16	1.62
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	16	1.62
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	16	1.62
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	16	1.62
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	16	1.62
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	17	1.62
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	17	1.62
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	12	1.62
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	12	1.62
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	12	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	2	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	2	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	2	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	8	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	8	1.62
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	8	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	10	1.62
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	10	1.62
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	10	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	3	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	3	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	4	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	4	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	5	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	5	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	11	1.62
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	11	1.62
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	8	1.62
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	8	1.62
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	8	1.62
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	8	1.62
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	8	1.62
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	8	1.62
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	15	1.62
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	15	1.62
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	15	1.62
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	15	1.62
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	15	1.62
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	15	1.62
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	6	1.62
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	6	1.62
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	6	1.62
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	7	1.62
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	4	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	2	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	4	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	5	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	10	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	12	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	14	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	15	1.62
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	19	1.62
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	6	1.62
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	6	1.62
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	10	1.62
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	10	1.62
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	4	1.62
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	2	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	2	1.62
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	2	1.62
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	7	1.62
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	7	1.62
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	7	1.62
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	11	1.62
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	11	1.62
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	11	1.62
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	12	1.62
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	12	1.62
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	12	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	11	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	11	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	11	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	15	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	15	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	15	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG21	16	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG22	16	1.62
(1,430)	1:120:A:ILE:HA	1:120:A:ILE:HG23	16	1.62
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	16	1.62
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	16	1.62
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	6	1.62
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	6	1.62
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	6	1.62
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	6	1.62
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	6	1.62
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	6	1.62
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	6	1.62
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	6	1.62
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	6	1.62
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	11	1.62
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	11	1.62
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	3	1.62
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	12	1.62
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	12	1.62
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	12	1.62
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	12	1.62
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	12	1.62
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	12	1.62
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	14	1.62
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	14	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	14	1.62
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	14	1.62
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	14	1.62
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	14	1.62
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	8	1.62
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	8	1.62
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	19	1.62
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	19	1.62
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	10	1.62
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	14	1.62
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	3	1.62
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	3	1.62
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	3	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	5	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	5	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	5	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	10	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	10	1.62
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	10	1.62
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	11	1.62
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	11	1.62
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	6	1.62
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	6	1.62
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	6	1.62
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	4	1.62
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	4	1.62
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	4	1.62
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	7	1.62
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	7	1.62
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	7	1.62
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	7	1.62
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	7	1.62
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	7	1.62
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	7	1.62
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	7	1.62
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	7	1.62
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	4	1.62
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	20	1.62
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	20	1.62
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	20	1.62
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	5	1.62
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	5	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	5	1.62
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	5	1.62
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	9	1.62
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	9	1.62
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	9	1.62
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	9	1.62
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	9	1.62
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	9	1.62
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	9	1.62
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	9	1.62
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	9	1.62
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	4	1.62
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	4	1.62
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	4	1.62
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	4	1.62
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	4	1.62
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	4	1.62
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	2	1.62
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	2	1.62
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	2	1.62
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	2	1.62
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	2	1.62
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	2	1.62
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	2	1.62
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	2	1.62
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	2	1.62
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	2	1.62
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	2	1.62
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	2	1.62
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	9	1.62
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	9	1.62
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	9	1.62
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	16	1.62
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD1	1	1.62
(1,53)	1:45:A:PHE:HB2	1:46:A:PHE:HD2	1	1.62
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD1	1	1.62
(1,53)	1:45:A:PHE:HB3	1:46:A:PHE:HD2	1	1.62
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	11	1.62
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	11	1.62
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	15	1.62
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	15	1.62
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	9	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	9	1.62
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	13	1.61
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	13	1.61
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	13	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	18	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	18	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	18	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	18	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	18	1.61
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	18	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.61
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.61
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	4	1.61
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	4	1.61
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	4	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	16	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	16	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	20	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	20	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	20	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	20	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	20	1.61
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	20	1.61
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	20	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	7	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	7	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	7	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	7	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	7	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	7	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	7	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	16	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	16	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	16	1.61
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	16	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	16	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	16	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	16	1.61
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	16	1.61
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	14	1.61
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	14	1.61
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	14	1.61
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	14	1.61
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	14	1.61
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	14	1.61
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	9	1.61
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	9	1.61
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	9	1.61
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	20	1.61
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	20	1.61
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	20	1.61
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	7	1.61
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	7	1.61
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	7	1.61
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	7	1.61
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	7	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	7	1.61
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	7	1.61
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	7	1.61
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	7	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	2	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	2	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	2	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	2	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	2	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	2	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	2	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	2	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	2	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	6	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	6	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	6	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	6	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	6	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	6	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	6	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	6	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	6	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	7	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	7	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	7	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	7	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	7	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	7	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	7	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	7	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	7	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	12	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	12	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	12	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	12	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	12	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	12	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	12	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	12	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	12	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	20	1.61
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	20	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	20	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	20	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	20	1.61
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	20	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	20	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	20	1.61
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	20	1.61
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	11	1.61
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	11	1.61
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	11	1.61
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	11	1.61
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	11	1.61
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	11	1.61
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	11	1.61
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	11	1.61
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	11	1.61
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG11	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG12	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG13	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG21	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG22	1:125:A:ARG:H	12	1.61
(1,1965)	1:88:A:VAL:HG23	1:125:A:ARG:H	12	1.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	2	1.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	2	1.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	2	1.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	2	1.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	2	1.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	2	1.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	2	1.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	2	1.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	2	1.61
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	11	1.61
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	11	1.61
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	11	1.61
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	11	1.61
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	11	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	11	1.61
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	6	1.61
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	6	1.61
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	6	1.61
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	6	1.61
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	6	1.61
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	6	1.61
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	6	1.61
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	6	1.61
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	6	1.61
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	20	1.61
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	20	1.61
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	20	1.61
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	20	1.61
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	20	1.61
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	20	1.61
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	20	1.61
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	20	1.61
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	20	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	12	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	18	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	18	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	18	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	18	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	18	1.61
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	18	1.61
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	5	1.61
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	5	1.61
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	5	1.61
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	5	1.61
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	3	1.61
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	10	1.61
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	10	1.61
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	19	1.61
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	18	1.61
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	18	1.61
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	5	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	5	1.61
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	11	1.61
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	11	1.61
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	16	1.61
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	16	1.61
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	3	1.61
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	3	1.61
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	3	1.61
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	3	1.61
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	2	1.61
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	2	1.61
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	16	1.61
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	16	1.61
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	7	1.61
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	7	1.61
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	7	1.61
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	7	1.61
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	4	1.61
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	4	1.61
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	4	1.61
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	14	1.61
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	13	1.61
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	13	1.61
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	4	1.61
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	6	1.61
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	6	1.61
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	20	1.61
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	20	1.61
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	20	1.61
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	20	1.61
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	18	1.61
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	18	1.61
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	10	1.61
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	10	1.61
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	10	1.61
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	4	1.61
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	4	1.61
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	4	1.61
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	4	1.61
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	4	1.61
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	4	1.61
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	4	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	4	1.61
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	4	1.61
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	14	1.61
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	14	1.61
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	14	1.61
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	14	1.61
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	14	1.61
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	14	1.61
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	18	1.61
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	18	1.61
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	18	1.61
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	18	1.61
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	18	1.61
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	18	1.61
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	18	1.61
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	18	1.61
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	18	1.61
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	18	1.61
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	18	1.61
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	18	1.61
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	20	1.61
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	20	1.61
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	20	1.61
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	20	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	9	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	9	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	9	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	16	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	16	1.61
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	16	1.61
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	7	1.61
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	7	1.61
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	2	1.61
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	2	1.61
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	2	1.61
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	14	1.61
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	14	1.61
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	14	1.61
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	3	1.61
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	2	1.61
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	2	1.61
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	8	1.61
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	8	1.61
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	8	1.61
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	18	1.61
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	18	1.61
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	18	1.61
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	18	1.61
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	19	1.61
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	19	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	7	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	7	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	7	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	7	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	7	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	7	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	14	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	14	1.61
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	14	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	14	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	14	1.61
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	14	1.61
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	4	1.61
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	4	1.61
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	4	1.61
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	13	1.61
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	13	1.61
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	13	1.61
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	14	1.61
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	14	1.61
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	14	1.61
(1,447)	1:210:A:ALA:HB1	1:211:A:VAL:H	18	1.61
(1,447)	1:210:A:ALA:HB2	1:211:A:VAL:H	18	1.61
(1,447)	1:210:A:ALA:HB3	1:211:A:VAL:H	18	1.61
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	18	1.61
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	18	1.61
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	17	1.61
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	17	1.61
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	17	1.61
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	17	1.61
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	17	1.61
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	17	1.61
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	14	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	14	1.61
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	16	1.61
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	16	1.61
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	7	1.61
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	16	1.61
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	18	1.61
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	20	1.61
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	15	1.61
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	15	1.61
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	15	1.61
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	15	1.61
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	15	1.61
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	15	1.61
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	20	1.61
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	20	1.61
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	20	1.61
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	20	1.61
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	20	1.61
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	20	1.61
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	20	1.61
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	20	1.61
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	20	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	18	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	18	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	18	1.61
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	18	1.61
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	18	1.61
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	18	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	18	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	18	1.61
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	18	1.61
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	3	1.61
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	3	1.61
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	3	1.61
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	20	1.61
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	20	1.61
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	2	1.61
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	2	1.61
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	2	1.61
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	2	1.61
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	2	1.61
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	2	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	11	1.61
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	11	1.61
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	20	1.61
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	20	1.61
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB1	9	1.61
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB2	9	1.61
(1,310)	1:91:A:TYR:HA	1:132:A:ALA:HB3	9	1.61
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	8	1.61
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	8	1.61
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	8	1.61
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	15	1.61
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	15	1.61
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	3	1.61
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	3	1.61
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	3	1.61
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	3	1.61
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	3	1.61
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	3	1.61
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	10	1.61
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	10	1.61
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	10	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	8	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	8	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	8	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	12	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	12	1.61
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	12	1.61
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	19	1.61
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	19	1.61
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	19	1.61
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	11	1.61
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	11	1.61
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	11	1.61
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	3	1.61
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	3	1.61
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	3	1.61
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	3	1.61
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	3	1.61
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	3	1.61
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	3	1.61
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	3	1.61
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	3	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	4	1.61
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	7	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	1	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	1	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	1	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	19	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	19	1.61
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	19	1.61
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	11	1.61
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	11	1.61
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	17	1.61
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	14	1.61
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	14	1.61
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	4	1.61
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	4	1.61
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	4	1.61
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	10	1.61
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	10	1.61
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	10	1.61
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	1	1.61
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	8	1.61
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	9	1.61
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD21	2	1.6
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD22	2	1.6
(1,2235)	1:200:A:LEU:H	1:200:A:LEU:HD23	2	1.6
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	16	1.6
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	16	1.6
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	16	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	5	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	5	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	5	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	17	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	17	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	17	1.6
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.6
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.6
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	10	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	10	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	19	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	19	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	19	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	19	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	19	1.6
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	19	1.6
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	19	1.6
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	8	1.6
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	8	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	8	1.6
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	8	1.6
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	4	1.6
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	4	1.6
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	4	1.6
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	4	1.6
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	4	1.6
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	4	1.6
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	4	1.6
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	4	1.6
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	4	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	10	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	10	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	10	1.6
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	10	1.6
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	10	1.6
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	10	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	10	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	10	1.6
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	10	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	2	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	2	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	3	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	3	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	3	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	3	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	3	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	3	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	3	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	5	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	5	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	5	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	5	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	5	1.6
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	5	1.6
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	5	1.6
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	8	1.6
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	8	1.6
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	8	1.6
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	8	1.6
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	8	1.6
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	8	1.6
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	10	1.6
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	10	1.6
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	10	1.6
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	2	1.6
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	2	1.6
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	2	1.6
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	2	1.6
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	2	1.6
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	2	1.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	6	1.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	6	1.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	6	1.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	6	1.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	6	1.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	6	1.6
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	15	1.6
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	15	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	15	1.6
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	15	1.6
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	15	1.6
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	15	1.6
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	5	1.6
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	5	1.6
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	5	1.6
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	1.6
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	14	1.6
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	14	1.6
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	20	1.6
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	20	1.6
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	15	1.6
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	19	1.6
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	19	1.6
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	1	1.6
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	1	1.6
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	10	1.6
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	10	1.6
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	10	1.6
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	18	1.6
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	18	1.6
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	18	1.6
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	10	1.6
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	10	1.6
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	2	1.6
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	2	1.6
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	2	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	17	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	17	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	17	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	19	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	19	1.6
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	19	1.6
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	9	1.6
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	9	1.6
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	6	1.6
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	6	1.6
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	6	1.6
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	3	1.6
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	3	1.6
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	3	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	7	1.6
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	7	1.6
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	7	1.6
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	1	1.6
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	19	1.6
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	5	1.6
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	5	1.6
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	18	1.6
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	18	1.6
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	19	1.6
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	19	1.6
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	10	1.6
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	10	1.6
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	10	1.6
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	14	1.6
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	14	1.6
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	14	1.6
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	12	1.6
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	12	1.6
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	10	1.6
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	14	1.6
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	10	1.6
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	10	1.6
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	12	1.6
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	12	1.6
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	16	1.6
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	16	1.6
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	1	1.6
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	12	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	7	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	7	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	9	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	9	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	14	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	14	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	15	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	15	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	19	1.6
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	19	1.6
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	8	1.6
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	8	1.6
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	15	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	12	1.6
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	12	1.6
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	12	1.6
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	12	1.6
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	18	1.6
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	18	1.6
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	18	1.6
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	18	1.6
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	2	1.6
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	2	1.6
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	2	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	6	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	6	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	6	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	19	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	19	1.6
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	19	1.6
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	16	1.6
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	16	1.6
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	16	1.6
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	16	1.6
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	16	1.6
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	16	1.6
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	1	1.6
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	1	1.6
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	1	1.6
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	9	1.6
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	9	1.6
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	9	1.6
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	1	1.6
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	1	1.6
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	1	1.6
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	1	1.6
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	1	1.6
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	1	1.6
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	11	1.6
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	11	1.6
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	11	1.6
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	11	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	7	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	7	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	7	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	12	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	12	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	12	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	14	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	14	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	14	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	15	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	15	1.6
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	15	1.6
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	19	1.6
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	19	1.6
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	8	1.6
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	8	1.6
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	3	1.6
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	3	1.6
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	3	1.6
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	16	1.6
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	16	1.6
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	16	1.6
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	18	1.6
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	18	1.6
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	19	1.6
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	13	1.6
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	13	1.6
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	13	1.6
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	20	1.6
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	7	1.6
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	16	1.6
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	18	1.6
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	20	1.6
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	9	1.6
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	18	1.6
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	4	1.6
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	4	1.6
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	4	1.6
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	4	1.6
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	14	1.6
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	14	1.6
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	14	1.6
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	9	1.6
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	9	1.6
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	9	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	16	1.6
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	16	1.6
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	16	1.6
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	5	1.6
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	5	1.6
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	5	1.6
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	5	1.6
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	6	1.6
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	6	1.6
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	6	1.6
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	6	1.6
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	6	1.6
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	6	1.6
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	17	1.6
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	17	1.6
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	17	1.6
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	14	1.6
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	14	1.6
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.6
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.6
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	11	1.6
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	11	1.6
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	11	1.6
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	11	1.6
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	11	1.6
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	11	1.6
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	15	1.6
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	15	1.6
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	1	1.6
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	8	1.6
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	9	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	4	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	4	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	4	1.6
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	4	1.6
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	4	1.6
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	4	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	4	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	4	1.6
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	4	1.6
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	2	1.6
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	2	1.6
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	3	1.6
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	3	1.6
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	8	1.6
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	18	1.6
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	18	1.6
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	18	1.6
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	11	1.6
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	12	1.6
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	12	1.6
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	19	1.6
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	19	1.6
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	19	1.6
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	19	1.6
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	19	1.6
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	19	1.6
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	7	1.6
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	8	1.6
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	8	1.6
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	8	1.6
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	10	1.6
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	10	1.6
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	12	1.6
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	12	1.6
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	12	1.6
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	5	1.6
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	5	1.6
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	5	1.6
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	5	1.6
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	5	1.6
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	5	1.6
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	15	1.6
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	15	1.6
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	15	1.6
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	9	1.6
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	9	1.6
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	9	1.6
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	4	1.6
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	3	1.6
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	3	1.6
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	3	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	2	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	2	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	2	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	13	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	13	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	13	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	17	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	17	1.6
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	17	1.6
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	10	1.6
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	10	1.6
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	4	1.6
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	4	1.6
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	4	1.6
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	9	1.6
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	9	1.6
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	5	1.6
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	5	1.6
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	7	1.6
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	7	1.6
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	13	1.59
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	13	1.59
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	13	1.59
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	17	1.59
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	17	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.59
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.59
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	5	1.59
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	5	1.59
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	5	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	11	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	11	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	11	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	11	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	11	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	11	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	11	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	18	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	18	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	18	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	18	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	18	1.59
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	18	1.59
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	18	1.59
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	16	1.59
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	16	1.59
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	16	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	15	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	15	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	15	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	15	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	15	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	15	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	15	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	15	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	15	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG21	17	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG22	17	1.59
(1,2065)	1:58:A:VAL:HG11	1:58:A:VAL:HG23	17	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG21	17	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG22	17	1.59
(1,2065)	1:58:A:VAL:HG12	1:58:A:VAL:HG23	17	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG21	17	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG22	17	1.59
(1,2065)	1:58:A:VAL:HG13	1:58:A:VAL:HG23	17	1.59
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	4	1.59
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	4	1.59
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	4	1.59
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	11	1.59
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	11	1.59
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	11	1.59
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	11	1.59
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	11	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	11	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	11	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	11	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	11	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	14	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	14	1.59
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	14	1.59
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	1	1.59
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	1	1.59
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	1	1.59
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	1	1.59
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	1	1.59
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	1	1.59
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	1	1.59
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	1	1.59
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	1	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	14	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	14	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	14	1.59
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	14	1.59
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	14	1.59
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	14	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	14	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	14	1.59
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	14	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	7	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	7	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	12	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	12	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	12	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	12	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	12	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	12	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	12	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	15	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	15	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	19	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	19	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	19	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	19	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	19	1.59
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	19	1.59
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	19	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	3	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	3	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	3	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	7	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	7	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	7	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	9	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	9	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	9	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	11	1.59
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	11	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	11	1.59
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	9	1.59
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	9	1.59
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	9	1.59
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	9	1.59
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	9	1.59
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	9	1.59
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	13	1.59
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	13	1.59
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	13	1.59
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	10	1.59
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	10	1.59
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	10	1.59
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	6	1.59
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	6	1.59
(1,1852)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	6	1.59
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	6	1.59
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	6	1.59
(1,1852)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	6	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	1	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	1	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	1	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	1	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	1	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	1	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	2	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	2	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	2	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	2	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	2	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	2	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	10	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	10	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	10	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	10	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	10	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	10	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	16	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	16	1.59
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	16	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	16	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	16	1.59
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	16	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	3	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	3	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	3	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	3	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	3	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	3	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	3	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	3	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	3	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	8	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	8	1.59
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	8	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	8	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	8	1.59
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	8	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	8	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	8	1.59
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	8	1.59
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	5	1.59
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	5	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	5	1.59
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	1.59
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	18	1.59
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	18	1.59
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	1	1.59
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	1	1.59
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	14	1.59
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	14	1.59
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	10	1.59
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	10	1.59
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	13	1.59
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	13	1.59
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	17	1.59
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	19	1.59
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	19	1.59
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	11	1.59
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	2	1.59
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	2	1.59
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	15	1.59
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	15	1.59
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	2	1.59
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	2	1.59
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	2	1.59
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	12	1.59
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	12	1.59
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	14	1.59
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	11	1.59
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	12	1.59
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	13	1.59
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	14	1.59
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	14	1.59
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	9	1.59
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	17	1.59
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	17	1.59
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	17	1.59
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	8	1.59
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	10	1.59
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	17	1.59
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	17	1.59
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	9	1.59
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	9	1.59
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	8	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	6	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	6	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	6	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	15	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	15	1.59
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	15	1.59
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	11	1.59
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	11	1.59
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	11	1.59
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	10	1.59
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	10	1.59
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	10	1.59
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	10	1.59
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	10	1.59
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	10	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	2	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	2	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	2	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	6	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	6	1.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	6	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	5	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	5	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	5	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	5	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	5	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	5	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	6	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	6	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	6	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	6	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	6	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	6	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	7	1.59
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	7	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	7	1.59
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	7	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	7	1.59
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	7	1.59
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	19	1.59
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	19	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	19	1.59
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	10	1.59
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	10	1.59
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	10	1.59
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	10	1.59
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	10	1.59
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	10	1.59
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	15	1.59
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	15	1.59
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	15	1.59
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	16	1.59
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	16	1.59
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	16	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	1	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	1	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	1	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	2	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	2	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	2	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	5	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	5	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	5	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	8	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	8	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	8	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	10	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	10	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	10	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	11	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	11	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	11	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	13	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	13	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	13	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	18	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	18	1.59
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	18	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	6	1.59
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	6	1.59
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	8	1.59
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	8	1.59
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	8	1.59
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	10	1.59
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	10	1.59
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	10	1.59
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	4	1.59
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	4	1.59
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	8	1.59
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	8	1.59
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	18	1.59
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	18	1.59
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	11	1.59
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	11	1.59
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	1	1.59
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	1	1.59
(1,580)	1:196:A:LEU:HB2	1:197:A:GLY:H	17	1.59
(1,580)	1:196:A:LEU:HB3	1:197:A:GLY:H	17	1.59
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	3	1.59
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	3	1.59
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	3	1.59
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	3	1.59
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	3	1.59
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	3	1.59
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	19	1.59
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	19	1.59
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	19	1.59
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	20	1.59
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	20	1.59
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	20	1.59
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	12	1.59
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	1	1.59
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	8	1.59
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	9	1.59
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	9	1.59
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	9	1.59
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG2	17	1.59
(1,518)	1:104:A:THR:HA	1:107:A:ARG:HG3	17	1.59
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	3	1.59
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	3	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	3	1.59
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	15	1.59
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	18	1.59
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	19	1.59
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	19	1.59
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	19	1.59
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	12	1.59
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	12	1.59
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	5	1.59
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	17	1.59
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	17	1.59
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	2	1.59
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	2	1.59
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	2	1.59
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	2	1.59
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	2	1.59
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	2	1.59
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	14	1.59
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	14	1.59
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	1	1.59
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	1	1.59
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	1	1.59
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	1	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	11	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	11	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	11	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	11	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	20	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	20	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	20	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	20	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	20	1.59
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	20	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	20	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	20	1.59
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	20	1.59
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	9	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	9	1.59
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	15	1.59
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	15	1.59
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	15	1.59
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	15	1.59
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	15	1.59
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	15	1.59
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	17	1.59
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	17	1.59
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	17	1.59
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	17	1.59
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	17	1.59
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	17	1.59
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	14	1.59
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	14	1.59
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG21	1	1.59
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG22	1	1.59
(1,313)	1:131:A:THR:HA	1:131:A:THR:HG23	1	1.59
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	9	1.59
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	9	1.59
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	9	1.59
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	4	1.59
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	4	1.59
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	4	1.59
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	4	1.59
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	4	1.59
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	4	1.59
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	12	1.59
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	12	1.59
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	14	1.59
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	14	1.59
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	14	1.59
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	19	1.59
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	19	1.59
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	19	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	14	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	14	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	14	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	14	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	17	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	17	1.59
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	17	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	17	1.59
(1,188)	1:112:A:ALA:HB1	1:193:A:THR:H	4	1.59
(1,188)	1:112:A:ALA:HB2	1:193:A:THR:H	4	1.59
(1,188)	1:112:A:ALA:HB3	1:193:A:THR:H	4	1.59
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	12	1.59
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	12	1.59
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	12	1.59
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	12	1.59
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	12	1.59
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	12	1.59
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	12	1.59
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	12	1.59
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	12	1.59
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	1	1.59
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	1	1.59
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	1	1.59
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	6	1.59
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	6	1.59
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	6	1.59
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	8	1.59
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	8	1.59
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	8	1.59
(1,180)	1:234:A:ILE:HG21	1:235:A:GLN:H	15	1.59
(1,180)	1:234:A:ILE:HG22	1:235:A:GLN:H	15	1.59
(1,180)	1:234:A:ILE:HG23	1:235:A:GLN:H	15	1.59
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	16	1.59
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	16	1.59
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	16	1.59
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	16	1.59
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	16	1.59
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	16	1.59
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	16	1.59
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	16	1.59
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	16	1.59
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	3	1.59
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	3	1.59
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	3	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	3	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	3	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	3	1.59
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	18	1.59
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	18	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	18	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	18	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	18	1.59
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	18	1.59
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	15	1.59
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	15	1.59
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	15	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	13	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	13	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	13	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	20	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	20	1.59
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	20	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	7	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	7	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	7	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	8	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	8	1.59
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	8	1.59
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	14	1.59
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	14	1.59
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	1	1.59
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	3	1.59
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	3	1.59
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	7	1.59
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	7	1.59
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	7	1.59
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	7	1.59
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	3	1.59
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	3	1.59
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	6	1.59
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	6	1.59
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	9	1.59
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	9	1.59
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	2	1.58
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	2	1.58
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	2	1.58
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.58
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	14	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	14	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	14	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	14	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	14	1.58
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	14	1.58
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	14	1.58
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	11	1.58
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	11	1.58
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	11	1.58
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	11	1.58
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	11	1.58
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	11	1.58
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	11	1.58
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	11	1.58
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	17	1.58
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	17	1.58
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	17	1.58
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	17	1.58
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	17	1.58
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	16	1.58
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	16	1.58
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	16	1.58
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	14	1.58
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	14	1.58
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	14	1.58
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	14	1.58
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	14	1.58
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	14	1.58
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	10	1.58
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	10	1.58
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	10	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	4	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	4	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	4	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	4	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	4	1.58
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	4	1.58
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	4	1.58
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	4	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	10	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	10	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	10	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	10	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	10	1.58
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	10	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	10	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	10	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	10	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	10	1.58
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	10	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	10	1.58
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	12	1.58
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	12	1.58
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	12	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	20	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	20	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	20	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	20	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	20	1.58
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	20	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	2	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	2	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	2	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	6	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	6	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	6	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	13	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	13	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	13	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	17	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	17	1.58
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	17	1.58
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	8	1.58
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	8	1.58
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	8	1.58
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	8	1.58
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	8	1.58
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	8	1.58
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	10	1.58
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	10	1.58
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	10	1.58
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	10	1.58
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	10	1.58
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	10	1.58
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	4	1.58
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	4	1.58
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	4	1.58
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	4	1.58
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	4	1.58
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	4	1.58
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	4	1.58
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	4	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	4	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	3	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	3	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	3	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	3	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	3	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	3	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	11	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	11	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	11	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	11	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	11	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	11	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	18	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	18	1.58
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	18	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	18	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	18	1.58
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	18	1.58
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	18	1.58
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	18	1.58
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	18	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	3	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	3	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	3	1.58
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	3	1.58
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	3	1.58
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	3	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	3	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	3	1.58
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	3	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	19	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	19	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	19	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	19	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	19	1.58
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	19	1.58
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	5	1.58
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	5	1.58
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	5	1.58
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	5	1.58
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	5	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	5	1.58
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	19	1.58
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	19	1.58
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	19	1.58
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	19	1.58
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	19	1.58
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	19	1.58
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	4	1.58
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	4	1.58
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	1.58
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	20	1.58
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	20	1.58
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	1	1.58
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	1	1.58
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	11	1.58
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	12	1.58
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	14	1.58
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	16	1.58
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	20	1.58
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	3	1.58
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	3	1.58
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	20	1.58
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	20	1.58
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	12	1.58
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	12	1.58
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	12	1.58
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	19	1.58
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	19	1.58
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	19	1.58
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	14	1.58
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	14	1.58
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	14	1.58
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	8	1.58
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	8	1.58
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	4	1.58
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	4	1.58
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	4	1.58
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	4	1.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	6	1.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	6	1.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	6	1.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	6	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	15	1.58
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	15	1.58
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	14	1.58
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	14	1.58
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	14	1.58
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	20	1.58
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	16	1.58
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	16	1.58
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	16	1.58
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	2	1.58
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	19	1.58
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	10	1.58
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	10	1.58
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	10	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	2	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	3	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	6	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	7	1.58
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	16	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	4	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	4	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	6	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	6	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	10	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	10	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	11	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	11	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	20	1.58
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	20	1.58
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	2	1.58
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	2	1.58
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	2	1.58
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	15	1.58
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	15	1.58
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	15	1.58
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	15	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	7	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	7	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	7	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	20	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	20	1.58
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	20	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	14	1.58
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	14	1.58
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	2	1.58
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	2	1.58
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	2	1.58
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	2	1.58
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	2	1.58
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	2	1.58
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	19	1.58
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	19	1.58
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	19	1.58
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	7	1.58
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	7	1.58
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	7	1.58
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	8	1.58
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	8	1.58
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	8	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	6	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	6	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	6	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	6	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	15	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	15	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	15	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	15	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	15	1.58
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	15	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	15	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	15	1.58
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	15	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	3	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	3	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	3	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	6	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	6	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	6	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	9	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	9	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	9	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	19	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	19	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	19	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	1.58
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	1.58
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	11	1.58
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	11	1.58
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	11	1.58
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	1	1.58
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	1	1.58
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	19	1.58
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	19	1.58
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	19	1.58
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	19	1.58
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	19	1.58
(1,500)	1:97:A:THR:HG21	1:178:A:TRP:HD1	13	1.58
(1,500)	1:97:A:THR:HG22	1:178:A:TRP:HD1	13	1.58
(1,500)	1:97:A:THR:HG23	1:178:A:TRP:HD1	13	1.58
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	5	1.58
(1,428)	1:135:A:MET:H	1:135:A:MET:HB2	8	1.58
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	14	1.58
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	14	1.58
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	14	1.58
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	14	1.58
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	14	1.58
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	14	1.58
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	14	1.58
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	14	1.58
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	14	1.58
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	16	1.58
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	11	1.58
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	11	1.58
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	11	1.58
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	11	1.58
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	11	1.58
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	11	1.58
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	8	1.58
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	8	1.58
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	10	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	10	1.58
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	20	1.58
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	20	1.58
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	6	1.58
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	11	1.58
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	13	1.58
(1,369)	1:120:A:ILE:HA	1:121:A:PRO:HD3	17	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	1	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	1	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	1	1.58
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	1	1.58
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	1	1.58
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	1	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	1	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	1	1.58
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	1	1.58
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	19	1.58
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	19	1.58
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	9	1.58
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	11	1.58
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	16	1.58
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	16	1.58
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	16	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	13	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	13	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	13	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	16	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	16	1.58
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	16	1.58
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	9	1.58
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	9	1.58
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	9	1.58
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	1	1.58
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	15	1.58
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	15	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	4	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	4	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	6	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	6	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	12	1.58
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	12	1.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	2	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	2	1.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	2	1.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	2	1.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	2	1.58
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	2	1.58
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	2	1.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	2	1.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	2	1.58
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	1	1.58
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	1	1.58
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	1	1.58
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	10	1.58
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	10	1.58
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	10	1.58
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	19	1.58
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	19	1.58
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	19	1.58
(1,125)	1:193:A:THR:HB	1:194:A:HIS:H	16	1.58
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	16	1.58
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	17	1.58
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	17	1.58
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	6	1.58
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	6	1.58
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	6	1.58
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	6	1.58
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	6	1.58
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	6	1.58
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	19	1.58
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	19	1.58
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	6	1.58
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	6	1.58
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	6	1.58
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	7	1.58
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	7	1.58
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	7	1.58
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	16	1.58
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	16	1.58
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	20	1.58
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	20	1.58
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	20	1.58
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	19	1.58
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	19	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	10	1.58
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	10	1.58
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	10	1.58
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	10	1.58
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	10	1.58
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	10	1.58
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	11	1.57
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	11	1.57
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	11	1.57
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	11	1.57
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	11	1.57
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	11	1.57
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	12	1.57
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	12	1.57
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	13	1.57
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	13	1.57
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	13	1.57
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.57
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.57
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	3	1.57
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	3	1.57
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	3	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	11	1.57
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	11	1.57
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	11	1.57
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	11	1.57
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	11	1.57
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	11	1.57
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	11	1.57
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	19	1.57
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	19	1.57
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	19	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	5	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	5	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	13	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	13	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	13	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD11	13	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD12	13	1.57
(1,2141)	1:113:A:LEU:HB2	1:196:A:LEU:HD13	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD11	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD12	13	1.57
(1,2141)	1:113:A:LEU:HB3	1:196:A:LEU:HD13	13	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	1	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	1	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	1	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	1	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	1	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	1	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	1	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD11	1:192:A:ALA:HB3	2	1.57
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD12	1:192:A:ALA:HB3	2	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD13	1:192:A:ALA:HB3	2	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD21	1:192:A:ALA:HB3	2	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD22	1:192:A:ALA:HB3	2	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB1	2	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB2	2	1.57
(1,2137)	1:189:A:LEU:HD23	1:192:A:ALA:HB3	2	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	3	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	3	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.57
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	7	1.57
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	7	1.57
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	7	1.57
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	7	1.57
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	7	1.57
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	7	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	15	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	15	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	15	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	15	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	15	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	15	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	20	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	20	1.57
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	20	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	20	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	20	1.57
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	20	1.57
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	20	1.57
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	20	1.57
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	20	1.57
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	20	1.57
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	15	1.57
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	15	1.57
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	15	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	1	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	1	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	1	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	1	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	1	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	1	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	4	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	4	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	8	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	8	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	9	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	9	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	13	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	13	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	13	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	13	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	13	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	13	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	13	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	14	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	14	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	14	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	14	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	14	1.57
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	14	1.57
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	14	1.57
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	5	1.57
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	5	1.57
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	5	1.57
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	10	1.57
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	10	1.57
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	10	1.57
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	10	1.57
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	10	1.57
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	10	1.57
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	10	1.57
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	10	1.57
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	10	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	1	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	1	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	1	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	8	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	8	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	8	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	10	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	10	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	10	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	12	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	12	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	12	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	14	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	14	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	14	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	15	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	15	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	15	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	20	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	20	1.57
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	20	1.57
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	20	1.57
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	20	1.57
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	20	1.57
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	20	1.57
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	20	1.57
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	20	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	5	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	5	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	5	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	5	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	5	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	5	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	7	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	7	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	7	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	7	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	7	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	7	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	20	1.57
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	20	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	20	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	20	1.57
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	20	1.57
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	1	1.57
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	1	1.57
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	1	1.57
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	5	1.57
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	5	1.57
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	5	1.57
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	10	1.57
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	10	1.57
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	10	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	17	1.57
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	17	1.57
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	17	1.57
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	17	1.57
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	17	1.57
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	17	1.57
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	17	1.57
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	17	1.57
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	17	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	2	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	3	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	7	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	8	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	14	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	14	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	14	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	14	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	14	1.57
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	14	1.57
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	4	1.57
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	2	1.57
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	2	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	6	1.57
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	6	1.57
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	10	1.57
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	17	1.57
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	17	1.57
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	17	1.57
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	7	1.57
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	7	1.57
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	19	1.57
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	19	1.57
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	16	1.57
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	16	1.57
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	16	1.57
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	12	1.57
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	12	1.57
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	14	1.57
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	14	1.57
(1,1574)	1:210:A:ALA:HB1	1:213:A:TYR:H	6	1.57
(1,1574)	1:210:A:ALA:HB2	1:213:A:TYR:H	6	1.57
(1,1574)	1:210:A:ALA:HB3	1:213:A:TYR:H	6	1.57
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	10	1.57
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	11	1.57
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	3	1.57
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	3	1.57
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	15	1.57
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	15	1.57
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	1.57
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	1.57
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	20	1.57
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	20	1.57
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	6	1.57
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	6	1.57
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	6	1.57
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	5	1.57
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	5	1.57
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	5	1.57
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	5	1.57
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	4	1.57
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	19	1.57
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	19	1.57
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	19	1.57
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	1	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	1	1.57
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	1	1.57
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	11	1.57
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	13	1.57
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	10	1.57
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	10	1.57
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	14	1.57
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	14	1.57
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	5	1.57
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	5	1.57
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	5	1.57
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	5	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	14	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	14	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	14	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG21	18	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG22	18	1.57
(1,857)	1:231:A:ILE:HA	1:231:A:ILE:HG23	18	1.57
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	3	1.57
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	3	1.57
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	3	1.57
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	3	1.57
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	3	1.57
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	3	1.57
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	4	1.57
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	4	1.57
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	4	1.57
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	4	1.57
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	4	1.57
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	4	1.57
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	13	1.57
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	13	1.57
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	13	1.57
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	13	1.57
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	13	1.57
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	13	1.57
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	18	1.57
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	18	1.57
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	18	1.57
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	18	1.57
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	18	1.57
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	18	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	8	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	8	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	8	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	8	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	16	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	16	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	16	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	16	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	16	1.57
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	16	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	16	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	16	1.57
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	16	1.57
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	5	1.57
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	5	1.57
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	5	1.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	1	1.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	1	1.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	1	1.57
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	20	1.57
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	20	1.57
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	20	1.57
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	3	1.57
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	3	1.57
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	3	1.57
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	4	1.57
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	4	1.57
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	4	1.57
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	14	1.57
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	14	1.57
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	14	1.57
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	1	1.57
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	1	1.57
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	19	1.57
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	19	1.57
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	16	1.57
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	16	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	16	1.57
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	4	1.57
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	4	1.57
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	4	1.57
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	6	1.57
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	11	1.57
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	13	1.57
(1,530)	1:120:A:ILE:HA	1:121:A:PRO:HD3	17	1.57
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	4	1.57
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	4	1.57
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	5	1.57
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	5	1.57
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	5	1.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	2	1.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	2	1.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	2	1.57
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	1	1.57
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	7	1.57
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	7	1.57
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	7	1.57
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	7	1.57
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	7	1.57
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	7	1.57
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	1	1.57
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	1	1.57
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	10	1.57
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	10	1.57
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	8	1.57
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	8	1.57
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	9	1.57
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	9	1.57
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	7	1.57
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	7	1.57
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	7	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	7	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	7	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	7	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	7	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	7	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	7	1.57
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	13	1.57
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	13	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	13	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	13	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	13	1.57
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	13	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	13	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	13	1.57
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	13	1.57
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	1	1.57
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	1	1.57
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	13	1.57
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	13	1.57
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	13	1.57
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	12	1.57
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	12	1.57
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	12	1.57
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	12	1.57
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	1	1.57
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	8	1.57
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	11	1.57
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	11	1.57
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	11	1.57
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	11	1.57
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	11	1.57
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	11	1.57
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	12	1.57
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	12	1.57
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	12	1.57
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	12	1.57
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	12	1.57
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	12	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	11	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	11	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	11	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	15	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	15	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	15	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	18	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	18	1.57
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	18	1.57
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	8	1.57
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	5	1.57
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	20	1.57
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	20	1.57
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	20	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	2	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	2	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	3	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	3	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	5	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	5	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	19	1.57
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	19	1.57
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	7	1.57
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	7	1.57
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	7	1.57
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	7	1.57
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	7	1.57
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	7	1.57
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	10	1.57
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	10	1.57
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	10	1.57
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	10	1.57
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	10	1.57
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	10	1.57
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	19	1.57
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	19	1.57
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	19	1.57
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	2	1.57
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	2	1.57
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	5	1.57
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	5	1.57
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	9	1.57
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	9	1.57
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	5	1.57
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	11	1.57
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	11	1.57
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	11	1.57
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	11	1.57
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	15	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	15	1.57
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	17	1.57
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	17	1.57
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	17	1.57
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	17	1.57
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	17	1.57
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	17	1.57
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	18	1.57
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	18	1.57
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	7	1.56
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	7	1.56
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	7	1.56
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	8	1.56
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	8	1.56
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	8	1.56
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	9	1.56
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	9	1.56
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.56
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.56
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	16	1.56
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	16	1.56
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	16	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	16	1.56
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	16	1.56
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	16	1.56
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	16	1.56
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	16	1.56
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	16	1.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	17	1.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	17	1.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	17	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	12	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	12	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	12	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	12	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	12	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	12	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	12	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	12	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	12	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	20	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	20	1.56
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	20	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	20	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	20	1.56
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	20	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	20	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	20	1.56
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	20	1.56
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	1	1.56
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	1	1.56
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	1	1.56
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	1	1.56
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	1	1.56
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	1	1.56
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	6	1.56
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	6	1.56
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	6	1.56
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	6	1.56
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	6	1.56
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	6	1.56
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	6	1.56
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	6	1.56
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	6	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	20	1.56
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	20	1.56
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	6	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	6	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	16	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	16	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD11	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD12	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD13	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD21	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD22	20	1.56
(1,1978)	1:24:A:LEU:HB2	1:24:A:LEU:HD23	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD21	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD22	20	1.56
(1,1978)	1:24:A:LEU:HB3	1:24:A:LEU:HD23	20	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	17	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	17	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	17	1.56
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	17	1.56
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	17	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	19	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	19	1.56
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	19	1.56
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	19	1.56
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	19	1.56
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	19	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	18	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	18	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	18	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD21	19	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD22	19	1.56
(1,1903)	1:196:A:LEU:HB2	1:196:A:LEU:HD23	19	1.56
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	15	1.56
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	15	1.56
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	15	1.56
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	15	1.56
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	15	1.56
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	15	1.56
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	2	1.56
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	2	1.56
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	2	1.56
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	2	1.56
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	2	1.56
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	2	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	4	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	4	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	4	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	4	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	4	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	4	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	6	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	6	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	6	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	6	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	6	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	6	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	17	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	17	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	17	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	17	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	17	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	19	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	19	1.56
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	19	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	19	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	19	1.56
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	19	1.56
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	2	1.56
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	2	1.56
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	2	1.56
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	9	1.56
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	9	1.56
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	9	1.56
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	9	1.56
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	9	1.56
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	9	1.56
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	9	1.56
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	9	1.56
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	9	1.56
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	12	1.56
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	12	1.56
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	1	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	4	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	5	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	5	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	5	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	5	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	5	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	6	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	9	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	11	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	12	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	13	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	16	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	17	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	17	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	17	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	17	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	17	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	17	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	18	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	19	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	19	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	19	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	19	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	19	1.56
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	19	1.56
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	7	1.56
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	7	1.56
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	7	1.56
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	16	1.56
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	16	1.56
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	16	1.56
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	16	1.56
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	16	1.56
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	16	1.56
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	18	1.56
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	18	1.56
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	19	1.56
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	7	1.56
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	7	1.56
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	3	1.56
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	3	1.56
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	9	1.56
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	9	1.56
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	11	1.56
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	11	1.56
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	15	1.56
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	15	1.56
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	2	1.56
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	8	1.56
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	12	1.56
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	12	1.56
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	12	1.56
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	12	1.56
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	2	1.56
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	2	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	2	1.56
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	4	1.56
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	4	1.56
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	4	1.56
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	20	1.56
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	20	1.56
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	20	1.56
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	19	1.56
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	19	1.56
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	19	1.56
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	18	1.56
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	18	1.56
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	18	1.56
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	19	1.56
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	9	1.56
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	17	1.56
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	1.56
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	6	1.56
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	8	1.56
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	8	1.56
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	14	1.56
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	14	1.56
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	18	1.56
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	18	1.56
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	17	1.56
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	17	1.56
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	17	1.56
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	17	1.56
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG2	8	1.56
(1,1110)	1:177:A:ARG:H	1:177:A:ARG:HG3	8	1.56
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	9	1.56
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	4	1.56
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	17	1.56
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	2	1.56
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	2	1.56
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	5	1.56
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	5	1.56
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	13	1.56
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	13	1.56
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	19	1.56
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	19	1.56
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	11	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	11	1.56
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	18	1.56
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	17	1.56
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	17	1.56
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	17	1.56
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	10	1.56
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	10	1.56
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	10	1.56
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	10	1.56
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	17	1.56
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	17	1.56
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	4	1.56
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	4	1.56
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	4	1.56
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	4	1.56
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	4	1.56
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	4	1.56
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	19	1.56
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	19	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	6	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	6	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	14	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	14	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	15	1.56
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	15	1.56
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	4	1.56
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	4	1.56
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	13	1.56
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	13	1.56
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	13	1.56
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	13	1.56
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	13	1.56
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	13	1.56
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	5	1.56
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	15	1.56
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	20	1.56
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	20	1.56
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	20	1.56
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	13	1.56
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	13	1.56
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	13	1.56
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	18	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	18	1.56
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	18	1.56
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	18	1.56
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	18	1.56
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	18	1.56
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	18	1.56
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	18	1.56
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	18	1.56
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	18	1.56
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	18	1.56
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	18	1.56
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	18	1.56
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	18	1.56
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	18	1.56
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	11	1.56
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	11	1.56
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	1	1.56
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	1	1.56
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	1	1.56
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	1	1.56
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	1	1.56
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	1	1.56
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	1	1.56
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	5	1.56
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	5	1.56
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	8	1.56
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	8	1.56
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	11	1.56
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	11	1.56
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	12	1.56
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	12	1.56
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	12	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	12	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	12	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	12	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	12	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	12	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	12	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	12	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	12	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	12	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	17	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	17	1.56
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	17	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	17	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	17	1.56
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	17	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	17	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	17	1.56
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	17	1.56
(1,343)	1:93:A:ILE:HG21	1:102:A:HIS:HD2	2	1.56
(1,343)	1:93:A:ILE:HG22	1:102:A:HIS:HD2	2	1.56
(1,343)	1:93:A:ILE:HG23	1:102:A:HIS:HD2	2	1.56
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	9	1.56
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	9	1.56
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	9	1.56
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	14	1.56
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	14	1.56
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	14	1.56
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	6	1.56
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	8	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	2	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	2	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	2	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	4	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	4	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	4	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	7	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	7	1.56
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	7	1.56
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	10	1.56
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	10	1.56
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	10	1.56
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	10	1.56
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	10	1.56
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	10	1.56
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	10	1.56
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	10	1.56
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	19	1.56
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	9	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	8	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	8	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	11	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	11	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	15	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	15	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	18	1.56
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	18	1.56
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	5	1.56
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	5	1.56
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	5	1.56
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	6	1.56
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	6	1.56
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	6	1.56
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	17	1.56
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	17	1.56
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	17	1.56
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	17	1.56
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	17	1.56
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	17	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	5	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	5	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	5	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	12	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	12	1.56
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	12	1.56
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	20	1.56
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	10	1.56
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	10	1.56
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	10	1.56
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	10	1.56
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	18	1.56
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	2	1.56
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	2	1.56
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	5	1.56
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	5	1.56
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	15	1.56
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	15	1.56
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	15	1.56
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	19	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	19	1.55
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	19	1.55
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	19	1.55
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	19	1.55
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	19	1.55
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	4	1.55
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	16	1.55
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	16	1.55
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	1	1.55
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	19	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	19	1.55
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	19	1.55
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	5	1.55
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	5	1.55
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	5	1.55
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	13	1.55
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	13	1.55
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	13	1.55
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	13	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	13	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	13	1.55
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	13	1.55
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	4	1.55
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	4	1.55
(1,2059)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	4	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	4	1.55
(1,2059)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	4	1.55
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	16	1.55
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	16	1.55
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	16	1.55
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	16	1.55
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	16	1.55
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	16	1.55
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	6	1.55
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	6	1.55
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	6	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	15	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	15	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	15	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	15	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	15	1.55
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	15	1.55
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	15	1.55
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	15	1.55
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	2	1.55
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	2	1.55
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	2	1.55
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	15	1.55
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	15	1.55
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	15	1.55
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	15	1.55
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	15	1.55
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	15	1.55
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	17	1.55
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	17	1.55
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	17	1.55
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	17	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	17	1.55
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	17	1.55
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	17	1.55
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	17	1.55
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	17	1.55
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	17	1.55
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	17	1.55
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	17	1.55
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	17	1.55
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	17	1.55
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	17	1.55
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	17	1.55
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	17	1.55
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	17	1.55
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	9	1.55
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	9	1.55
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	9	1.55
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	9	1.55
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	9	1.55
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	9	1.55
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	9	1.55
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	9	1.55
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	9	1.55
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	3	1.55
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	3	1.55
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	3	1.55
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	3	1.55
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	3	1.55
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	3	1.55
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	3	1.55
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	3	1.55
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	3	1.55
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	4	1.55
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	4	1.55
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	4	1.55
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	10	1.55
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	10	1.55
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	10	1.55
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	20	1.55
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	20	1.55
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	20	1.55
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	20	1.55
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	10	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	15	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG21	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG22	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG23	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG11	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG12	20	1.55
(1,1814)	1:109:A:VAL:HA	1:109:A:VAL:HG13	20	1.55
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	12	1.55
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	12	1.55
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	12	1.55
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	3	1.55
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	3	1.55
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	3	1.55
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	3	1.55
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	3	1.55
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	3	1.55
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	12	1.55
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	12	1.55
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	12	1.55
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	12	1.55
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	12	1.55
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	12	1.55
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	16	1.55
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	16	1.55
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	16	1.55
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	7	1.55
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	2	1.55
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	2	1.55
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	13	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	15	1.55
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	15	1.55
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	1	1.55
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	13	1.55
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	13	1.55
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	13	1.55
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	5	1.55
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	5	1.55
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	5	1.55
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	9	1.55
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	9	1.55
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	9	1.55
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	17	1.55
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	17	1.55
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	2	1.55
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	2	1.55
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	2	1.55
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	10	1.55
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	10	1.55
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	10	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	3	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	3	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	13	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	13	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	14	1.55
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	14	1.55
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	6	1.55
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	17	1.55
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	17	1.55
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	3	1.55
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	3	1.55
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	3	1.55
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	20	1.55
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	20	1.55
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	20	1.55
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	16	1.55
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	16	1.55
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	16	1.55
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	6	1.55
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	17	1.55
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	17	1.55
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	17	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	1	1.55
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	1	1.55
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	1	1.55
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	4	1.55
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	4	1.55
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	4	1.55
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	12	1.55
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	12	1.55
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	10	1.55
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	16	1.55
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	16	1.55
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	7	1.55
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	7	1.55
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	7	1.55
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	15	1.55
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	15	1.55
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	15	1.55
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	19	1.55
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	19	1.55
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	19	1.55
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	20	1.55
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	20	1.55
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	20	1.55
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	1	1.55
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	1	1.55
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	13	1.55
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	13	1.55
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	9	1.55
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	14	1.55
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	17	1.55
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	1	1.55
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	1	1.55
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	1	1.55
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	1	1.55
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	1	1.55
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	10	1.55
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	4	1.55
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	4	1.55
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	4	1.55
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	15	1.55
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	15	1.55
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	15	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	15	1.55
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	15	1.55
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	15	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	1	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	1	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	1	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	1	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	5	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	5	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	5	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	5	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	7	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	7	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	7	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	7	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	16	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	16	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	16	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	16	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	18	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	18	1.55
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	18	1.55
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	18	1.55
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	20	1.55
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	20	1.55
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	20	1.55
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	6	1.55
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	6	1.55
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	6	1.55
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	6	1.55
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	6	1.55
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	6	1.55
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	20	1.55
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	20	1.55
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	20	1.55
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	20	1.55
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	20	1.55
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	20	1.55
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	9	1.55
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	9	1.55
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	8	1.55
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	8	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	15	1.55
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	15	1.55
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	15	1.55
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	15	1.55
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	15	1.55
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	15	1.55
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	15	1.55
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	15	1.55
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	15	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	2	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	2	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	2	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	2	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	7	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	7	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	7	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	7	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	7	1.55
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	7	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	7	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	7	1.55
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	7	1.55
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	12	1.55
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	12	1.55
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	5	1.55
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	5	1.55
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	12	1.55
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	12	1.55
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	12	1.55
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD2	12	1.55
(1,598)	1:147:A:TYR:HA	1:148:A:PRO:HD3	12	1.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	11	1.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	11	1.55
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	11	1.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	11	1.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	11	1.55
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	11	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG2	2	1.55
(1,470)	1:46:A:PHE:HD1	1:214:A:PRO:HG3	2	1.55
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG2	2	1.55
(1,470)	1:46:A:PHE:HD2	1:214:A:PRO:HG3	2	1.55
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	7	1.55
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	18	1.55
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	18	1.55
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	18	1.55
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	9	1.55
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	9	1.55
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	4	1.55
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	4	1.55
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	3	1.55
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	4	1.55
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	4	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	15	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	15	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	15	1.55
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	15	1.55
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	15	1.55
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	15	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	15	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	15	1.55
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	15	1.55
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	4	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	1	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	1	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	1	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	5	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	5	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	5	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	20	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	20	1.55
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	20	1.55
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	6	1.55
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	18	1.55
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	5	1.55
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	5	1.55
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	5	1.55
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	16	1.55
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	16	1.55
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	17	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	17	1.55
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	17	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	6	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	6	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	6	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	13	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	13	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	13	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	14	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	14	1.55
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	14	1.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	16	1.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	16	1.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	16	1.55
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	8	1.55
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	8	1.55
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	8	1.55
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	5	1.55
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	5	1.55
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	5	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	3	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	3	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	3	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	14	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	14	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	14	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	16	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	16	1.55
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	16	1.55
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	12	1.55
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	19	1.55
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	19	1.55
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	19	1.55
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	19	1.55
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	19	1.55
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	19	1.55
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	19	1.55
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	19	1.55
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	12	1.55
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	12	1.55
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	1	1.55
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	1	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	8	1.55
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	8	1.55
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	5	1.55
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	5	1.55
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	5	1.55
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	5	1.55
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	5	1.55
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	5	1.55
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	16	1.55
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	13	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	13	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	13	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	13	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	13	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	13	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	1	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	3	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	5	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	5	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	11	1.54
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	11	1.54
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	5	1.54
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	10	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	10	1.54
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	10	1.54
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.54
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.54
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	2	1.54
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	2	1.54
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	2	1.54
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	1	1.54
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	1	1.54
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	1	1.54
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	17	1.54
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	17	1.54
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	17	1.54
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	17	1.54
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	17	1.54
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	17	1.54
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	13	1.54
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	13	1.54
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	13	1.54
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	2	1.54
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	2	1.54
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	2	1.54
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	20	1.54
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	20	1.54
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	20	1.54
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	1	1.54
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	1	1.54
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	1	1.54
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	1	1.54
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	1	1.54
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	1	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	19	1.54
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	19	1.54
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	19	1.54
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	19	1.54
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	19	1.54
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	19	1.54
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	2	1.54
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	2	1.54
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	2	1.54
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	15	1.54
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	15	1.54
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	15	1.54
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	12	1.54
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	12	1.54
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	12	1.54
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	16	1.54
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	16	1.54
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	16	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	6	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	6	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	6	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	6	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	14	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	14	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	14	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	14	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	14	1.54
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	14	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	14	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	14	1.54
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	14	1.54
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	5	1.54
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	18	1.54
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	5	1.54
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	13	1.54
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	4	1.54
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	8	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	8	1.54
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	1	1.54
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	1	1.54
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	3	1.54
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	3	1.54
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	15	1.54
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	15	1.54
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	15	1.54
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	15	1.54
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	3	1.54
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	3	1.54
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	3	1.54
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	15	1.54
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	2	1.54
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	2	1.54
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	6	1.54
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	3	1.54
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	3	1.54
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	3	1.54
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	8	1.54
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	8	1.54
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	11	1.54
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	11	1.54
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	6	1.54
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	6	1.54
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	6	1.54
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	17	1.54
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	17	1.54
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	1	1.54
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	1	1.54
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	17	1.54
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB1	8	1.54
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB2	8	1.54
(1,1430)	1:191:A:ALA:H	1:191:A:ALA:HB3	8	1.54
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	5	1.54
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	5	1.54
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	9	1.54
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	9	1.54
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	6	1.54
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	6	1.54
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	6	1.54
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	8	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	8	1.54
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	8	1.54
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	9	1.54
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	9	1.54
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	9	1.54
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	11	1.54
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	11	1.54
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	11	1.54
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	17	1.54
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	17	1.54
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	17	1.54
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	5	1.54
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	5	1.54
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	5	1.54
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	17	1.54
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	17	1.54
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	3	1.54
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	3	1.54
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	3	1.54
(1,1247)	1:93:A:ILE:HG21	1:94:A:VAL:H	13	1.54
(1,1247)	1:93:A:ILE:HG22	1:94:A:VAL:H	13	1.54
(1,1247)	1:93:A:ILE:HG23	1:94:A:VAL:H	13	1.54
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	11	1.54
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	11	1.54
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	13	1.54
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	13	1.54
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	8	1.54
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	20	1.54
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	20	1.54
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	2	1.54
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	2	1.54
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	7	1.54
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	7	1.54
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	12	1.54
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	12	1.54
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	18	1.54
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	18	1.54
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	8	1.54
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	8	1.54
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	5	1.54
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	5	1.54
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	5	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	17	1.54
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	17	1.54
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	17	1.54
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	17	1.54
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	17	1.54
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	17	1.54
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD2	8	1.54
(1,807)	1:161:A:ALA:HB1	1:162:A:PRO:HD3	8	1.54
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD2	8	1.54
(1,807)	1:161:A:ALA:HB2	1:162:A:PRO:HD3	8	1.54
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD2	8	1.54
(1,807)	1:161:A:ALA:HB3	1:162:A:PRO:HD3	8	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	13	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	13	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	13	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	13	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	14	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	14	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	14	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	14	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	17	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	17	1.54
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	17	1.54
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	17	1.54
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	2	1.54
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	2	1.54
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	2	1.54
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	2	1.54
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	2	1.54
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	2	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	2	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	2	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	2	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	14	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	14	1.54
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	14	1.54
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	14	1.54
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	14	1.54
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	14	1.54
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	14	1.54
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	14	1.54
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	14	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	16	1.54
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	16	1.54
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	16	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	9	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	9	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	9	1.54
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	9	1.54
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	9	1.54
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	9	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	9	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	9	1.54
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	9	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	3	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	3	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	3	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	18	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	18	1.54
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	18	1.54
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	8	1.54
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	8	1.54
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	18	1.54
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	18	1.54
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	18	1.54
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	17	1.54
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	17	1.54
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	17	1.54
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	3	1.54
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	3	1.54
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	5	1.54
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	5	1.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	6	1.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	6	1.54
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	6	1.54
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	5	1.54
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	5	1.54
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	5	1.54
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	2	1.54
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	3	1.54
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	9	1.54
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	9	1.54
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	9	1.54
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	19	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	19	1.54
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	19	1.54
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	10	1.54
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	2	1.54
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	2	1.54
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	2	1.54
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	4	1.54
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	4	1.54
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	4	1.54
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	12	1.54
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	12	1.54
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	12	1.54
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	19	1.54
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	7	1.54
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	7	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	9	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	9	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	14	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	14	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	14	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	14	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	14	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	14	1.54
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	14	1.54
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	8	1.54
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	8	1.54
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	8	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	17	1.54
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	17	1.54
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	19	1.54
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	19	1.54
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	13	1.54
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	13	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	11	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	11	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	11	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	14	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	14	1.54
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	14	1.54
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	2	1.54
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	10	1.54
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB2	17	1.54
(1,304)	1:15:A:ALA:HA	1:18:A:TYR:HB3	17	1.54
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	7	1.54
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	14	1.54
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	6	1.54
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	6	1.54
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	17	1.54
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	17	1.54
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	17	1.54
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	17	1.54
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	17	1.54
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	17	1.54
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	7	1.54
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	7	1.54
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	7	1.54
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	19	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	3	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	3	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	3	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	16	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	16	1.54
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	16	1.54
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	8	1.54
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	8	1.54
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	8	1.54
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	7	1.54
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	7	1.54
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	7	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	15	1.54
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	15	1.54
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	15	1.54
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	18	1.54
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	18	1.54
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	18	1.54
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	11	1.54
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	4	1.54
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	4	1.54
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	14	1.54
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	14	1.54
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	12	1.54
(1,33)	1:172:A:PHE:HD1	1:178:A:TRP:HH2	13	1.54
(1,33)	1:172:A:PHE:HD2	1:178:A:TRP:HH2	13	1.54
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	13	1.54
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	13	1.54
(1,30)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	13	1.54
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	13	1.54
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	13	1.54
(1,30)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	13	1.54
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	17	1.54
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	17	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	17	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	17	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	17	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	17	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	17	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	10	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	13	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	13	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	17	1.53
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	17	1.53
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	14	1.53
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	14	1.53
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	14	1.53
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	18	1.53
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	18	1.53
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	18	1.53
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	13	1.53
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	13	1.53
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	13	1.53
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	20	1.53
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	20	1.53
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.53
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.53
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	7	1.53
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	7	1.53
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	7	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	7	1.53
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	7	1.53
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	7	1.53
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	7	1.53
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	7	1.53
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	7	1.53
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	4	1.53
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	4	1.53
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	4	1.53
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	4	1.53
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	4	1.53
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	4	1.53
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	1.53
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	1.53
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	1.53
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	10	1.53
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	10	1.53
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	10	1.53
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	10	1.53
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	10	1.53
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	10	1.53
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	10	1.53
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	10	1.53
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	10	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	11	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	11	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	11	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	11	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	11	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	11	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	14	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	14	1.53
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	14	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	14	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	14	1.53
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	14	1.53
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	18	1.53
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	18	1.53
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	18	1.53
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	18	1.53
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	18	1.53
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	18	1.53
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	18	1.53
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	18	1.53
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	16	1.53
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	16	1.53
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	16	1.53
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	14	1.53
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	14	1.53
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	14	1.53
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	12	1.53
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	12	1.53
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	12	1.53
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	12	1.53
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	12	1.53
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	12	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	10	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	10	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	10	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	20	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	20	1.53
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	20	1.53
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	17	1.53
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	17	1.53
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	17	1.53
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	18	1.53
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	18	1.53
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	18	1.53
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	18	1.53
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	18	1.53
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	18	1.53
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	9	1.53
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	9	1.53
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	9	1.53
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	9	1.53
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	9	1.53
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	9	1.53
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	9	1.53
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	9	1.53
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	9	1.53
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	5	1.53
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	5	1.53
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	5	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	5	1.53
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	5	1.53
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	5	1.53
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	11	1.53
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	11	1.53
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	11	1.53
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	9	1.53
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	9	1.53
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	9	1.53
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	9	1.53
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	9	1.53
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	9	1.53
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	4	1.53
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	4	1.53
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	4	1.53
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	4	1.53
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	4	1.53
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	4	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	6	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	6	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	6	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	19	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	19	1.53
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	19	1.53
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	6	1.53
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	6	1.53
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	6	1.53
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	9	1.53
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	9	1.53
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	9	1.53
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	9	1.53
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	9	1.53
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	9	1.53
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	9	1.53
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	9	1.53
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	9	1.53
(1,1847)	1:128:A:VAL:HG21	1:129:A:TRP:H	7	1.53
(1,1847)	1:128:A:VAL:HG22	1:129:A:TRP:H	7	1.53
(1,1847)	1:128:A:VAL:HG23	1:129:A:TRP:H	7	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	18	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	18	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	18	1.53
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	18	1.53
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	18	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	18	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	18	1.53
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	18	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	6	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	6	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	6	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	6	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	6	1.53
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	6	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	18	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	18	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	18	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	18	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	18	1.53
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	18	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	3	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	3	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	15	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	15	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	15	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	20	1.53
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	20	1.53
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	16	1.53
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	16	1.53
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	16	1.53
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	16	1.53
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	4	1.53
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	4	1.53
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	5	1.53
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	5	1.53
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	14	1.53
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	14	1.53
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	1	1.53
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	6	1.53
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	13	1.53
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	13	1.53
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	16	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	16	1.53
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	20	1.53
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	20	1.53
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	3	1.53
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	3	1.53
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	16	1.53
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	16	1.53
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	2	1.53
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	2	1.53
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	18	1.53
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	18	1.53
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	17	1.53
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	17	1.53
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	17	1.53
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	6	1.53
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	12	1.53
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	19	1.53
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	19	1.53
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	19	1.53
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	4	1.53
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	4	1.53
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	1	1.53
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	1	1.53
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	5	1.53
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	5	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	4	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	4	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	10	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	10	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	19	1.53
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	19	1.53
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	16	1.53
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	16	1.53
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	16	1.53
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	16	1.53
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	20	1.53
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	20	1.53
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	20	1.53
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	17	1.53
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	17	1.53
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	4	1.53
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	8	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	8	1.53
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	7	1.53
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	7	1.53
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	7	1.53
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	7	1.53
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	9	1.53
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	17	1.53
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	2	1.53
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	8	1.53
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	16	1.53
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	18	1.53
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	8	1.53
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	8	1.53
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	10	1.53
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	10	1.53
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	10	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	3	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	3	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	5	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	5	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	6	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	6	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	8	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	8	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	16	1.53
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	16	1.53
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	3	1.53
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	3	1.53
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	18	1.53
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	18	1.53
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	11	1.53
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	11	1.53
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	11	1.53
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	11	1.53
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	11	1.53
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	11	1.53
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	11	1.53
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	7	1.53
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	7	1.53
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	13	1.53
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	13	1.53
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	16	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	16	1.53
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	19	1.53
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	19	1.53
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	8	1.53
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	8	1.53
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	4	1.53
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	4	1.53
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	7	1.53
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	7	1.53
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	7	1.53
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	9	1.53
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	9	1.53
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	9	1.53
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	9	1.53
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	9	1.53
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	9	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	2	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	2	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	2	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	2	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	15	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	15	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	15	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	15	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	1.53
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	20	1.53
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	20	1.53
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	11	1.53
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	11	1.53
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	1	1.53
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	10	1.53
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	16	1.53
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	16	1.53
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	16	1.53
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	16	1.53
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	16	1.53
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	16	1.53
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	20	1.53
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	20	1.53
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	20	1.53
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	20	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	20	1.53
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	20	1.53
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	3	1.53
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	3	1.53
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	3	1.53
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	17	1.53
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	17	1.53
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	17	1.53
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	17	1.53
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	17	1.53
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	17	1.53
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	17	1.53
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	17	1.53
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	17	1.53
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	14	1.53
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	14	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	5	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	5	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	5	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	12	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	12	1.53
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	12	1.53
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	18	1.53
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	6	1.53
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	6	1.53
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	6	1.53
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	6	1.53
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	6	1.53
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	6	1.53
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	1	1.53
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	1	1.53
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	1	1.53
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	2	1.53
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	2	1.53
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	6	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	2	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	2	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	2	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	16	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	16	1.53
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	16	1.53
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	2	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	2	1.53
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	2	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	12	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	12	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	12	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	13	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	13	1.53
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	13	1.53
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	14	1.53
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	14	1.53
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	5	1.53
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	5	1.53
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	15	1.53
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	15	1.53
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	16	1.53
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	16	1.53
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	16	1.53
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	18	1.53
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	18	1.53
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	18	1.53
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	6	1.53
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	2	1.53
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	2	1.53
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	2	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	11	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	11	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	11	1.53
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB1	11	1.53
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB2	11	1.53
(1,473)	1:205:A:SER:HB2	1:210:A:ALA:HB3	11	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB1	11	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB2	11	1.53
(1,473)	1:205:A:SER:HB3	1:210:A:ALA:HB3	11	1.53
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	9	1.53
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	9	1.53
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	9	1.53
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	9	1.53
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	17	1.53
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	4	1.53
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	4	1.53
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	4	1.53
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	4	1.53
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	4	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	1	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	1	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	6	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	6	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	13	1.53
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	13	1.53
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	19	1.53
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	19	1.53
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	19	1.53
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	19	1.53
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	8	1.53
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	8	1.53
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	8	1.53
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	8	1.53
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	17	1.53
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	17	1.53
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	6	1.53
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	6	1.53
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	6	1.53
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	13	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	18	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	18	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	18	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	18	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	18	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	18	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	19	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	19	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	19	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	19	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	19	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	19	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	20	1.53
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	20	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	20	1.53
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	20	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	20	1.53
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	20	1.53
(1,311)	1:105:A:VAL:HB	1:106:A:ASP:H	15	1.53
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	4	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	4	1.53
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	4	1.53
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	4	1.53
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	4	1.53
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	4	1.53
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	4	1.53
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	4	1.53
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	4	1.53
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	6	1.53
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	6	1.53
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	6	1.53
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	16	1.53
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	20	1.53
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	7	1.53
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	7	1.53
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	7	1.53
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	12	1.53
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	12	1.53
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	12	1.53
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	12	1.53
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	12	1.53
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	12	1.53
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	12	1.53
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	12	1.53
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	12	1.53
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	16	1.53
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	16	1.53
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	16	1.53
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	16	1.53
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	2	1.53
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	3	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	1	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	1	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	9	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	9	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	14	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	14	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	20	1.53
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	20	1.53
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	14	1.53
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	14	1.53
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	14	1.53
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	14	1.53
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	14	1.53
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	8	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	1	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	1	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	1	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	5	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	5	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	5	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	11	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	11	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	11	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	12	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	12	1.53
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	12	1.53
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	9	1.53
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	1	1.53
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	1	1.53
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	2	1.52
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	2	1.52
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	2	1.52
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	2	1.52
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	2	1.52
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	2	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	3	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	3	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	3	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	7	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	7	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	7	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	19	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	19	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	19	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	20	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	20	1.52
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	20	1.52
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	7	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	7	1.52
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	11	1.52
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	11	1.52
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.52
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.52
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	17	1.52
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	17	1.52
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	17	1.52
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	16	1.52
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	16	1.52
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	16	1.52
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	9	1.52
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	9	1.52
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	9	1.52
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	10	1.52
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	10	1.52
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	7	1.52
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	7	1.52
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	7	1.52
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	7	1.52
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	9	1.52
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	9	1.52
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	9	1.52
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	9	1.52
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	9	1.52
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	9	1.52
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	8	1.52
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	1.52
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	8	1.52
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	5	1.52
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	5	1.52
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	5	1.52
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	5	1.52
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	5	1.52
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	5	1.52
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	11	1.52
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	11	1.52
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	11	1.52
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	16	1.52
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	16	1.52
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	16	1.52
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	16	1.52
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	16	1.52
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	16	1.52
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	16	1.52
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	16	1.52
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	16	1.52
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	16	1.52
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	16	1.52
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	16	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	2	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	2	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	2	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	2	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	2	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	2	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	10	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	10	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	10	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	10	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	10	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	10	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	12	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	12	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	12	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	12	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	12	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	12	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	14	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	14	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	14	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	14	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	14	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	14	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	18	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	18	1.52
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	18	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	18	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	18	1.52
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	18	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	19	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	19	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	19	1.52
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	19	1.52
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	19	1.52
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	19	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	19	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	19	1.52
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	19	1.52
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	14	1.52
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	14	1.52
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	14	1.52
(1,1971)	1:109:A:VAL:HG21	1:136:A:ILE:HG13	4	1.52
(1,1971)	1:109:A:VAL:HG22	1:136:A:ILE:HG13	4	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:109:A:VAL:HG23	1:136:A:ILE:HG13	4	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	5	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	14	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	14	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	14	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	14	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	14	1.52
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	14	1.52
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	13	1.52
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	13	1.52
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	13	1.52
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	13	1.52
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	13	1.52
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	13	1.52
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	13	1.52
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	13	1.52
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	13	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	13	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	13	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	16	1.52
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	16	1.52
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	16	1.52
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	16	1.52
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	16	1.52
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	16	1.52
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	16	1.52
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	16	1.52
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	16	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	4	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	4	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	4	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	9	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	9	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	9	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	10	1.52
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	10	1.52
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	10	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	2	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	5	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	5	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	5	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	5	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	5	1.52
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	5	1.52
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	12	1.52
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	12	1.52
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	9	1.52
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	11	1.52
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	11	1.52
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	11	1.52
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	8	1.52
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	8	1.52
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	1	1.52
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	1	1.52
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	15	1.52
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	15	1.52
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	9	1.52
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	9	1.52
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	7	1.52
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	7	1.52
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	7	1.52
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	7	1.52
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	7	1.52
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	16	1.52
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	16	1.52
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	16	1.52
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	3	1.52
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	9	1.52
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	9	1.52
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	10	1.52
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	10	1.52
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	10	1.52
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	10	1.52
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	13	1.52
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	2	1.52
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	2	1.52
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	2	1.52
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	2	1.52
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	14	1.52
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	14	1.52
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	14	1.52
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	14	1.52
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	3	1.52
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	7	1.52
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	6	1.52
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	6	1.52
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	11	1.52
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	11	1.52
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	3	1.52
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	3	1.52
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	3	1.52
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	16	1.52
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	16	1.52
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	16	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	1	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	1	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	4	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	4	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	9	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	9	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	19	1.52
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	19	1.52
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	17	1.52
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	17	1.52
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	20	1.52
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	15	1.52
(1,1078)	1:68:A:GLY:H	1:157:A:ALA:H	20	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	3	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	8	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	8	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	9	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	9	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	17	1.52
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	17	1.52
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	3	1.52
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	3	1.52
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	17	1.52
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	17	1.52
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	17	1.52
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	15	1.52
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	15	1.52
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	3	1.52
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	3	1.52
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD11	17	1.52
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD12	17	1.52
(1,941)	1:50:A:ILE:H	1:50:A:ILE:HD13	17	1.52
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	11	1.52
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	11	1.52
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	11	1.52
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	11	1.52
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	12	1.52
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	12	1.52
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	12	1.52
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	15	1.52
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	15	1.52
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	15	1.52
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	15	1.52
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	15	1.52
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	15	1.52
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	12	1.52
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	12	1.52
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	12	1.52
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	6	1.52
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	19	1.52
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	19	1.52
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	19	1.52
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	19	1.52
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	19	1.52
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	7	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	7	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	7	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	7	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	7	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	7	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	7	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	7	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	7	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	8	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	8	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	8	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	8	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	8	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	8	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	8	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	8	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	8	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	20	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	20	1.52
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	20	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	20	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	20	1.52
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	20	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	20	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	20	1.52
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	20	1.52
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	2	1.52
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	12	1.52
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	2	1.52
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	2	1.52
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	2	1.52
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	2	1.52
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	2	1.52
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	2	1.52
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	11	1.52
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	11	1.52
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	11	1.52
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	11	1.52
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	11	1.52
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	11	1.52
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	9	1.52
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	9	1.52
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	9	1.52
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	3	1.52
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	3	1.52
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	3	1.52
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	3	1.52
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	3	1.52
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	3	1.52
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	3	1.52
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	3	1.52
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	3	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	1	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	1	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	1	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	15	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	15	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	15	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	16	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	16	1.52
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	16	1.52
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	18	1.52
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	18	1.52
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	18	1.52
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	14	1.52
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	14	1.52
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	18	1.52
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	18	1.52
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	18	1.52
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	18	1.52
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	18	1.52
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	18	1.52
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	3	1.52
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	3	1.52
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	3	1.52
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	6	1.52
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	6	1.52
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	6	1.52
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	15	1.52
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	19	1.52
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	19	1.52
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	19	1.52
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	19	1.52
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	19	1.52
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	2	1.52
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	7	1.52
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	7	1.52
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	7	1.52
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	17	1.52
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	17	1.52
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	17	1.52
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	17	1.52
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	17	1.52
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	17	1.52
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	18	1.52
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	20	1.52
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	8	1.52
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	6	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	9	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	9	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	9	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	9	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	9	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	9	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	13	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	13	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	13	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	13	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	13	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	13	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	14	1.52
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	14	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	14	1.52
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	14	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	14	1.52
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	14	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	10	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	10	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	10	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	10	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	10	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	10	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	10	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	12	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	12	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	12	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	12	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	12	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	12	1.52
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	12	1.52
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	9	1.52
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	9	1.52
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	9	1.52
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	12	1.52
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	12	1.52
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	18	1.52
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	18	1.52
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	2	1.52
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	2	1.52
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	2	1.52
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	2	1.52
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	6	1.52
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	6	1.52
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	7	1.52
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	7	1.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	9	1.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	9	1.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	9	1.52
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	10	1.52
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	10	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	6	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	6	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	6	1.52
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	6	1.52
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	6	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	6	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	6	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	6	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	6	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	19	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	19	1.52
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	19	1.52
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	19	1.52
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	19	1.52
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	19	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	19	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	19	1.52
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	19	1.52
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	15	1.52
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	15	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	1	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	1	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	1	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	1	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	1	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	1	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	7	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	7	1.52
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	7	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	7	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	7	1.52
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	7	1.52
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	8	1.52
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	8	1.52
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	8	1.52
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	20	1.52
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	20	1.52
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	20	1.52
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	7	1.52
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	7	1.52
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	1	1.52
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	1	1.52
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	1	1.52
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	1	1.52
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	1	1.52
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	1	1.52
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	1	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	1	1.52
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	1	1.52
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	14	1.52
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	14	1.52
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	14	1.52
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	14	1.52
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	14	1.52
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	14	1.52
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	8	1.52
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	8	1.52
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	8	1.52
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	3	1.52
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	3	1.52
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG21	19	1.52
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG22	19	1.52
(1,85)	1:50:A:ILE:HA	1:50:A:ILE:HG23	19	1.52
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	3	1.52
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	3	1.52
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	3	1.52
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	3	1.52
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	14	1.52
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	16	1.52
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	16	1.52
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	5	1.52
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	7	1.51
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	7	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	9	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	9	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	9	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	10	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	10	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	10	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	11	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	11	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	11	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	14	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	14	1.51
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	14	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	1	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	1	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	1	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	14	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	14	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	14	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	20	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	20	1.51
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	20	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	11	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	11	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	11	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	15	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	15	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	15	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	17	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	17	1.51
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	17	1.51
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	4	1.51
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	4	1.51
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	4	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	4	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	4	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	4	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	4	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	4	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	4	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	4	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	4	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	4	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	9	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	9	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	9	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	9	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	9	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	9	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	9	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	9	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	9	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	15	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	15	1.51
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	15	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	15	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	15	1.51
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	15	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	15	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	15	1.51
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	15	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	3	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	3	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	3	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	3	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	3	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	3	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	15	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	15	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	15	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	15	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	15	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	15	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	18	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	18	1.51
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	18	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	18	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	18	1.51
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	18	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	7	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	7	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	7	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	7	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	7	1.51
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	7	1.51
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	7	1.51
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	7	1.51
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	7	1.51
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	7	1.51
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	7	1.51
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	7	1.51
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	8	1.51
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	8	1.51
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	8	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	12	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	12	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	12	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	18	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	18	1.51
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	18	1.51
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	1	1.51
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	1	1.51
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	1	1.51
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	1	1.51
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	1	1.51
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	1	1.51
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	1	1.51
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	1	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	1	1.51
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	1	1.51
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG21	12	1.51
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG22	12	1.51
(1,1865)	1:94:A:VAL:H	1:94:A:VAL:HG23	12	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	19	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	19	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	19	1.51
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	19	1.51
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	19	1.51
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	19	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	19	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	19	1.51
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	19	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	3	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	5	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	15	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	15	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	15	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	15	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	15	1.51
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	15	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	12	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	12	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	12	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	12	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	12	1.51
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	12	1.51
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	2	1.51
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	2	1.51
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	2	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	7	1.51
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	7	1.51
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	7	1.51
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	7	1.51
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	7	1.51
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	7	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	6	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	6	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	11	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	11	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	11	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	13	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	13	1.51
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	13	1.51
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	2	1.51
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	5	1.51
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	14	1.51
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	16	1.51
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	13	1.51
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	13	1.51
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	19	1.51
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	19	1.51
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	8	1.51
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	8	1.51
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	19	1.51
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	19	1.51
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	11	1.51
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	11	1.51
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	16	1.51
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	16	1.51
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	18	1.51
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	18	1.51
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	9	1.51
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	9	1.51
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	6	1.51
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	6	1.51
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	6	1.51
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	8	1.51
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	8	1.51
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	8	1.51
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	2	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	2	1.51
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	2	1.51
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	10	1.51
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	10	1.51
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	10	1.51
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	17	1.51
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	17	1.51
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	17	1.51
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	16	1.51
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	16	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	2	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	2	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	14	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	14	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	16	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	16	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	17	1.51
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	17	1.51
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	17	1.51
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	17	1.51
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	17	1.51
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	3	1.51
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	3	1.51
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	3	1.51
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	19	1.51
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	19	1.51
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	12	1.51
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	12	1.51
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	12	1.51
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	12	1.51
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	18	1.51
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	18	1.51
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	18	1.51
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	18	1.51
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	8	1.51
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	15	1.51
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	15	1.51
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	7	1.51
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	7	1.51
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	15	1.51
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	8	1.51
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	8	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	6	1.51
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	6	1.51
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	6	1.51
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	18	1.51
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	18	1.51
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	18	1.51
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	5	1.51
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	5	1.51
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	4	1.51
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	4	1.51
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	11	1.51
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	11	1.51
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	1	1.51
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	1	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	7	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	7	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	7	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	7	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	7	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	7	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	7	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	7	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	7	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	12	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	12	1.51
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	12	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	12	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	12	1.51
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	12	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	12	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	12	1.51
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	12	1.51
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	20	1.51
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	20	1.51
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	20	1.51
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	10	1.51
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	10	1.51
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	10	1.51
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	14	1.51
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	14	1.51
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	14	1.51
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	3	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	3	1.51
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	3	1.51
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	10	1.51
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	10	1.51
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	10	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	7	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	7	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	7	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	8	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	8	1.51
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	8	1.51
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	15	1.51
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	15	1.51
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	15	1.51
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	15	1.51
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	15	1.51
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	15	1.51
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	1	1.51
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	1	1.51
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	1	1.51
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	6	1.51
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	6	1.51
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	6	1.51
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	6	1.51
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	7	1.51
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	7	1.51
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	7	1.51
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	2	1.51
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	2	1.51
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	2	1.51
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	5	1.51
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB1	7	1.51
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB2	7	1.51
(1,631)	1:15:A:ALA:H	1:15:A:ALA:HB3	7	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	2	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	2	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	2	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	4	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	4	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	4	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	5	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	5	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	5	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	8	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	8	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	8	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	18	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	18	1.51
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	18	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	3	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	3	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	3	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	14	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	14	1.51
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	14	1.51
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	8	1.51
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	8	1.51
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	8	1.51
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	13	1.51
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	13	1.51
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	13	1.51
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	6	1.51
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	6	1.51
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	11	1.51
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	11	1.51
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	8	1.51
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	8	1.51
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	8	1.51
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	8	1.51
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	8	1.51
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	8	1.51
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	8	1.51
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	7	1.51
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	7	1.51
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	7	1.51
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	19	1.51
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	7	1.51
(1,531)	1:89:A:VAL:H	1:124:A:PHE:HA	14	1.51
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	15	1.51
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	15	1.51
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	14	1.51
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	8	1.51
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	8	1.51
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	8	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	10	1.51
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	10	1.51
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	10	1.51
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	10	1.51
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	10	1.51
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	10	1.51
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	7	1.51
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	12	1.51
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	12	1.51
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	19	1.51
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	19	1.51
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	4	1.51
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	9	1.51
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	1	1.51
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	1	1.51
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	20	1.51
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	20	1.51
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	2	1.51
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	20	1.51
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	20	1.51
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	3	1.51
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	3	1.51
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	3	1.51
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	8	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	8	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	8	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	14	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	14	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	15	1.51
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	15	1.51
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	15	1.51
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	15	1.51
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	15	1.51
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	15	1.51
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	4	1.51
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	4	1.51
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	12	1.51
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	12	1.51
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	10	1.51
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	10	1.51
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	10	1.51
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	14	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	14	1.51
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	14	1.51
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	14	1.51
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	14	1.51
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	14	1.51
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	14	1.51
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	14	1.51
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	14	1.51
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	7	1.51
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	7	1.51
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	7	1.51
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	3	1.51
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	19	1.51
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	19	1.51
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	19	1.51
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	9	1.51
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	9	1.51
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	9	1.51
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	9	1.51
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	18	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	6	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	6	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	6	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	12	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	12	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	12	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	16	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	16	1.51
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	16	1.51
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	13	1.51
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	13	1.51
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	13	1.51
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	13	1.51
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	13	1.51
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	13	1.51
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	13	1.51
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	13	1.51
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	13	1.51
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	15	1.51
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	15	1.51
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	15	1.51
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	7	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	7	1.51
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	7	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	11	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	11	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	11	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	11	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	11	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	11	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	13	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	13	1.51
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	13	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	13	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	13	1.51
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	13	1.51
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	10	1.51
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	5	1.51
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	5	1.51
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	11	1.51
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	7	1.51
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	7	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	14	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	14	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	14	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	17	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	17	1.51
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	17	1.51
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	6	1.51
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	6	1.51
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	7	1.51
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	7	1.51
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	1	1.51
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	1	1.51
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	7	1.51
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	7	1.51
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	18	1.51
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	18	1.51
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	1	1.51
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	1	1.51
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD1	3	1.51
(1,29)	1:172:A:PHE:H	1:172:A:PHE:HD2	3	1.51
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	12	1.51
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	12	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	12	1.51
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	4	1.51
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	4	1.51
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	4	1.51
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	2	1.51
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	2	1.51
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	18	1.51
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	18	1.51
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	4	1.51
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	6	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	6	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	6	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	6	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	6	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	6	1.5
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	8	1.5
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	8	1.5
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	8	1.5
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.5
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.5
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	3	1.5
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	3	1.5
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	3	1.5
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	10	1.5
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	10	1.5
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	10	1.5
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	10	1.5
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	10	1.5
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	10	1.5
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	6	1.5
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	6	1.5
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	6	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	8	1.5
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	8	1.5
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	8	1.5
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	8	1.5
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	8	1.5
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	8	1.5
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	10	1.5
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	10	1.5
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	10	1.5
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	10	1.5
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	10	1.5
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	10	1.5
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	10	1.5
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	10	1.5
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	10	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	9	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	9	1.5
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	9	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	10	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	10	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	16	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	16	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	16	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	17	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	17	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	17	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	17	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	17	1.5
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	17	1.5
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	17	1.5
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	9	1.5
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	9	1.5
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	9	1.5
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	13	1.5
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	13	1.5
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	13	1.5
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	13	1.5
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	13	1.5
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	13	1.5
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	13	1.5
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	13	1.5
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	13	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	13	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	13	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	13	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	13	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	13	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	13	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	16	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	16	1.5
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	16	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	16	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	16	1.5
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	16	1.5
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	19	1.5
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	19	1.5
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	19	1.5
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	8	1.5
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	8	1.5
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	8	1.5
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	18	1.5
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	18	1.5
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	18	1.5
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	6	1.5
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	6	1.5
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	6	1.5
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	6	1.5
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	6	1.5
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	6	1.5
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	6	1.5
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	6	1.5
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	6	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	12	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	12	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	12	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	12	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	12	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	12	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	13	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	13	1.5
(1,1935)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	13	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	13	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	13	1.5
(1,1935)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	13	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	11	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	11	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	11	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	11	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	11	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	11	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	11	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	11	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	11	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	14	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	14	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	14	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	14	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	14	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	14	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	14	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	14	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	14	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	19	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	19	1.5
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	19	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	19	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	19	1.5
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	19	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	19	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	19	1.5
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	19	1.5
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	12	1.5
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	12	1.5
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	12	1.5
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	15	1.5
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	15	1.5
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	15	1.5
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	15	1.5
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	15	1.5
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	15	1.5
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	15	1.5
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	15	1.5
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	15	1.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	4	1.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	4	1.5
(1,1890)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	4	1.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	4	1.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	4	1.5
(1,1890)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	4	1.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	4	1.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	4	1.5
(1,1890)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	4	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	17	1.5
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	17	1.5
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	17	1.5
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	19	1.5
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	19	1.5
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	19	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	8	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	8	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	8	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	11	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	11	1.5
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	11	1.5
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	12	1.5
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	12	1.5
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	12	1.5
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	12	1.5
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	12	1.5
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	12	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	1	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	1	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	1	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	1	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	1	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	1	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	7	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	7	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	7	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	7	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	7	1.5
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	7	1.5
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	6	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	1	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	2	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	7	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	8	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	9	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	11	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	12	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	13	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	14	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	17	1.5
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	20	1.5
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	17	1.5
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	17	1.5
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	18	1.5
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	18	1.5
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	10	1.5
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	10	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	4	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	4	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	14	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	14	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	18	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	18	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	20	1.5
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	20	1.5
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	5	1.5
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	5	1.5
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	17	1.5
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	17	1.5
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	17	1.5
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	17	1.5
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	15	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	15	1.5
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	15	1.5
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	16	1.5
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	16	1.5
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	16	1.5
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	4	1.5
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	4	1.5
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	4	1.5
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	1	1.5
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	1	1.5
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	5	1.5
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	5	1.5
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	8	1.5
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	8	1.5
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	14	1.5
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	14	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	1	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	1	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	5	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	5	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	12	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	12	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	13	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	13	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	15	1.5
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	15	1.5
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	6	1.5
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	6	1.5
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	6	1.5
(1,1501)	1:179:A:THR:HG21	1:180:A:ASP:H	20	1.5
(1,1501)	1:179:A:THR:HG22	1:180:A:ASP:H	20	1.5
(1,1501)	1:179:A:THR:HG23	1:180:A:ASP:H	20	1.5
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	7	1.5
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	7	1.5
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	7	1.5
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	12	1.5
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	12	1.5
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	12	1.5
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	16	1.5
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	16	1.5
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	16	1.5
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	17	1.5
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	17	1.5
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	10	1.5
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	10	1.5
(1,1372)	1:126:A:LYS:HD2	1:127:A:VAL:H	10	1.5
(1,1372)	1:126:A:LYS:HD3	1:127:A:VAL:H	10	1.5
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	11	1.5
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	13	1.5
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	6	1.5
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	10	1.5
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	16	1.5
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	16	1.5
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	15	1.5
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	15	1.5
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	15	1.5
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	9	1.5
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	1	1.5
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	18	1.5
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	18	1.5
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	14	1.5
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	14	1.5
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	14	1.5
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	14	1.5
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	14	1.5
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	6	1.5
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	6	1.5
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	9	1.5
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	9	1.5
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	9	1.5
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	9	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	15	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	15	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	19	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	19	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	20	1.5
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	20	1.5
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	1	1.5
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	1	1.5
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	14	1.5
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	14	1.5
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	10	1.5
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	10	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	11	1.5
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	16	1.5
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	12	1.5
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	12	1.5
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	12	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	5	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	5	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	5	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	20	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	20	1.5
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	20	1.5
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	13	1.5
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	13	1.5
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	13	1.5
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	16	1.5
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	16	1.5
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	16	1.5
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	9	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	10	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	10	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	10	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	17	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	17	1.5
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	17	1.5
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	4	1.5
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	15	1.5
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	13	1.5
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	13	1.5
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	13	1.5
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	13	1.5
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	13	1.5
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	13	1.5
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE1	7	1.5
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE2	7	1.5
(1,686)	1:19:A:LEU:HB2	1:62:A:MET:HE3	7	1.5
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	18	1.5
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	18	1.5
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	18	1.5
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	19	1.5
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	19	1.5
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	19	1.5
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD11	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD12	17	1.5
(1,659)	1:50:A:ILE:H	1:50:A:ILE:HD13	17	1.5
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	13	1.5
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	13	1.5
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	20	1.5
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	20	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	6	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	6	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	6	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	11	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	11	1.5
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	11	1.5
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	8	1.5
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	8	1.5
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	17	1.5
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	4	1.5
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	4	1.5
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	3	1.5
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	4	1.5
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	4	1.5
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	4	1.5
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	4	1.5
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	4	1.5
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	4	1.5
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	5	1.5
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	16	1.5
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	16	1.5
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	16	1.5
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	16	1.5
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	19	1.5
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	19	1.5
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	19	1.5
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	19	1.5
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	19	1.5
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	19	1.5
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	20	1.5
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	20	1.5
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	20	1.5
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	15	1.5
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	15	1.5
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	15	1.5
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	1	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	9	1.5
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	9	1.5
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	19	1.5
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	19	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	2	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	2	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	5	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	5	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	16	1.5
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	16	1.5
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	3	1.5
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	3	1.5
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	3	1.5
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	3	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	1	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	1	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	1	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	1	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	15	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	15	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	15	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	15	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	19	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	19	1.5
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	19	1.5
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	19	1.5
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	13	1.5
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	13	1.5
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	15	1.5
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	15	1.5
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	15	1.5
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	16	1.5
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	16	1.5
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	17	1.5
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	6	1.5
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	6	1.5
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	6	1.5
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	6	1.5
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	6	1.5
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	6	1.5
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	3	1.5
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	3	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	3	1.5
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	17	1.5
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	17	1.5
(1,307)	1:46:A:PHE:HE1	1:61:A:ILE:HB	4	1.5
(1,307)	1:46:A:PHE:HE2	1:61:A:ILE:HB	4	1.5
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	1	1.5
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	1	1.5
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	1	1.5
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	1	1.5
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	1	1.5
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	1	1.5
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	1	1.5
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	1	1.5
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	1	1.5
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	4	1.5
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	4	1.5
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	2	1.5
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	2	1.5
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	15	1.5
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	15	1.5
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	15	1.5
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	15	1.5
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	15	1.5
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	15	1.5
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	1	1.5
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	1	1.5
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	9	1.5
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	9	1.5
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	9	1.5
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	9	1.5
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	9	1.5
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	9	1.5
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	9	1.5
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	9	1.5
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	9	1.5
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	18	1.5
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	18	1.5
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	18	1.5
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	13	1.5
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	13	1.5
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	8	1.5
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	8	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	8	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	8	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	8	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	8	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	15	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	15	1.5
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	15	1.5
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	9	1.5
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	9	1.5
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	9	1.5
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	8	1.5
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	6	1.5
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	13	1.5
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	16	1.5
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	16	1.5
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	9	1.5
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	9	1.5
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	9	1.5
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	9	1.5
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	17	1.5
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	17	1.5
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	17	1.5
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	17	1.5
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	5	1.5
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	5	1.5
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	14	1.5
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	14	1.5
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	14	1.5
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	8	1.5
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	8	1.5
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	11	1.5
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	11	1.5
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	16	1.5
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	16	1.5
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	20	1.5
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	20	1.5
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	5	1.49
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	5	1.49
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	5	1.49
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	5	1.49
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	5	1.49
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	5	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	2	1.49
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	2	1.49
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	2	1.49
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	12	1.49
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	12	1.49
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	12	1.49
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	18	1.49
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	18	1.49
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	18	1.49
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	4	1.49
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	4	1.49
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.49
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	8	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	8	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	8	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	9	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	9	1.49
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	9	1.49
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	8	1.49
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	8	1.49
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	8	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	1	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	1	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	1	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	3	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	3	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	3	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	6	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	6	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	6	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	8	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	8	1.49
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	8	1.49
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	19	1.49
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	19	1.49
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	19	1.49
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	19	1.49
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	19	1.49
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	19	1.49
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	3	1.49
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	3	1.49
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	3	1.49
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	3	1.49
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	3	1.49
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	3	1.49
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	3	1.49
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	3	1.49
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	3	1.49
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	5	1.49
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	5	1.49
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	5	1.49
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	5	1.49
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	5	1.49
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	5	1.49
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	5	1.49
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	5	1.49
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	5	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	5	1.49
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	5	1.49
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	5	1.49
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	15	1.49
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	15	1.49
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	15	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	4	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	4	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	4	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	4	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	4	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	4	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	7	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	7	1.49
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	7	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	7	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	7	1.49
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	7	1.49
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	5	1.49
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	5	1.49
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	5	1.49
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	14	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	14	1.49
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	14	1.49
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	14	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	10	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	10	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	10	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	14	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	14	1.49
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	14	1.49
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	18	1.49
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	18	1.49
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	18	1.49
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	18	1.49
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	18	1.49
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	18	1.49
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	18	1.49
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	18	1.49
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	18	1.49
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	14	1.49
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	14	1.49
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	14	1.49
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	10	1.49
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	10	1.49
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	10	1.49
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	10	1.49
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	10	1.49
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	10	1.49
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	10	1.49
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	10	1.49
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	10	1.49
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	8	1.49
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	8	1.49
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	8	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	10	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	10	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	10	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	10	1.49
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	10	1.49
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	10	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	10	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	10	1.49
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	10	1.49
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	5	1.49
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	5	1.49
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	5	1.49
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	14	1.49
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	14	1.49
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	14	1.49
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	14	1.49
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	12	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	3	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	4	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	6	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	10	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	15	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	16	1.49
(1,1747)	1:214:A:PRO:HD2	1:215:A:THR:H	18	1.49
(1,1731)	1:73:A:ALA:HB1	1:74:A:GLU:H	9	1.49
(1,1731)	1:73:A:ALA:HB2	1:74:A:GLU:H	9	1.49
(1,1731)	1:73:A:ALA:HB3	1:74:A:GLU:H	9	1.49
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	4	1.49
(1,1704)	1:59:A:ILE:H	1:59:A:ILE:HB	20	1.49
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	11	1.49
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	9	1.49
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	9	1.49
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	6	1.49
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	6	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	2	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	2	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	7	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	7	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	10	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	10	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	13	1.49
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	13	1.49
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	4	1.49
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	4	1.49
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	4	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	8	1.49
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	8	1.49
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	11	1.49
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	11	1.49
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	11	1.49
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	11	1.49
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	11	1.49
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	11	1.49
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	11	1.49
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	2	1.49
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	2	1.49
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	10	1.49
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	10	1.49
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	20	1.49
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	20	1.49
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	17	1.49
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	17	1.49
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	8	1.49
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	6	1.49
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	6	1.49
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	10	1.49
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	10	1.49
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	7	1.49
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	11	1.49
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	16	1.49
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	16	1.49
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	18	1.49
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	18	1.49
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	13	1.49
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	13	1.49
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	13	1.49
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	6	1.49
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	6	1.49
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	6	1.49
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	19	1.49
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	19	1.49
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	19	1.49
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	1	1.49
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	7	1.49
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	16	1.49
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	20	1.49
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	20	1.49
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	2	1.49
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	2	1.49
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	2	1.49
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	1	1.49
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	1	1.49
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	1	1.49
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	10	1.49
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	10	1.49
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	10	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	2	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	2	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	10	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	10	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	17	1.49
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	17	1.49
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	4	1.49
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	4	1.49
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	4	1.49
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	12	1.49
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	11	1.49
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	5	1.49
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	5	1.49
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	5	1.49
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	9	1.49
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	9	1.49
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	9	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	1	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	1	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	13	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	13	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	18	1.49
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	18	1.49
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	16	1.49
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	16	1.49
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	16	1.49
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	11	1.49
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	16	1.49
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	8	1.49
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	8	1.49
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	8	1.49
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	8	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	11	1.49
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	11	1.49
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	11	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	5	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	5	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	5	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	5	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	5	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	5	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	14	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	14	1.49
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	14	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	14	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	14	1.49
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	14	1.49
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	11	1.49
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	11	1.49
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	11	1.49
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	11	1.49
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	11	1.49
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	11	1.49
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	11	1.49
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	11	1.49
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	11	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	1	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	1	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	1	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	2	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	2	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	2	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	3	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	3	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	3	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	4	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	4	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	4	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	6	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	6	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	6	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	7	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	7	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	7	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	8	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	8	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	8	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	9	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	9	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	9	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	10	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	10	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	10	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	11	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	11	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	11	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	12	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	12	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	12	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	13	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	13	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	13	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	14	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	14	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	14	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	15	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	15	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	15	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	16	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	16	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	16	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	17	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	17	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	17	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	18	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	18	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	18	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB1	19	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB2	19	1.49
(1,819)	1:192:A:ALA:H	1:192:A:ALA:HB3	19	1.49
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	14	1.49
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	14	1.49
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	14	1.49
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	6	1.49
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	6	1.49
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	6	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	4	1.49
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	4	1.49
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	4	1.49
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	4	1.49
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	4	1.49
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	4	1.49
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	19	1.49
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	19	1.49
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	19	1.49
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	19	1.49
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	19	1.49
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	19	1.49
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	15	1.49
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	15	1.49
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	15	1.49
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	3	1.49
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	12	1.49
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	12	1.49
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	12	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	3	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	3	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	3	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	5	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	5	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	5	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	6	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	6	1.49
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	6	1.49
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	9	1.49
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	9	1.49
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	9	1.49
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	9	1.49
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	9	1.49
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	9	1.49
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	9	1.49
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	9	1.49
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	9	1.49
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	8	1.49
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	8	1.49
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	11	1.49
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	11	1.49
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	20	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	10	1.49
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	18	1.49
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	20	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	4	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	4	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	4	1.49
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	4	1.49
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	4	1.49
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	4	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	4	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	4	1.49
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	4	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	9	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	9	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	9	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	19	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	19	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	19	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	20	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	20	1.49
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	20	1.49
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	9	1.49
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	9	1.49
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	9	1.49
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	15	1.49
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	15	1.49
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	15	1.49
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	4	1.49
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	4	1.49
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	4	1.49
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	11	1.49
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	11	1.49
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	11	1.49
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	19	1.49
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	19	1.49
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	12	1.49
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	13	1.49
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	20	1.49
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	10	1.49
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	10	1.49
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	14	1.49
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	14	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	8	1.49
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	19	1.49
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	19	1.49
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	19	1.49
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	19	1.49
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	19	1.49
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	19	1.49
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	19	1.49
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	19	1.49
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	19	1.49
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	1	1.49
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	1	1.49
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	1	1.49
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB1	13	1.49
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB2	13	1.49
(1,449)	1:172:A:PHE:HE1	1:191:A:ALA:HB3	13	1.49
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB1	13	1.49
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB2	13	1.49
(1,449)	1:172:A:PHE:HE2	1:191:A:ALA:HB3	13	1.49
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	4	1.49
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	8	1.49
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	12	1.49
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	16	1.49
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	20	1.49
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	10	1.49
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	10	1.49
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	15	1.49
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	15	1.49
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	18	1.49
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	18	1.49
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	18	1.49
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	4	1.49
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	4	1.49
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	11	1.49
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	11	1.49
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	4	1.49
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	4	1.49
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	4	1.49
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	4	1.49
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	5	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	5	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	5	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	5	1.49
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	9	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	9	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	9	1.49
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	9	1.49
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	18	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	18	1.49
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	18	1.49
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	18	1.49
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	11	1.49
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	11	1.49
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	19	1.49
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	19	1.49
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	14	1.49
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	14	1.49
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	10	1.49
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	10	1.49
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	10	1.49
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	6	1.49
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	6	1.49
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	14	1.49
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	14	1.49
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	14	1.49
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	15	1.49
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	15	1.49
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	9	1.49
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	9	1.49
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	9	1.49
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	9	1.49
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	9	1.49
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	9	1.49
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	9	1.49
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	9	1.49
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	9	1.49
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	16	1.49
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	19	1.49
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	19	1.49
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	19	1.49
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	15	1.49
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	15	1.49
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	15	1.49
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	15	1.49
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	15	1.49
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	15	1.49
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	15	1.49
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	15	1.49
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	1	1.49
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	1	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	13	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	13	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	16	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	16	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	20	1.49
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	20	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	4	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	4	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	4	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	10	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	10	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	10	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	11	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	11	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	11	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	15	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	15	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	15	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	16	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	16	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	16	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	19	1.49
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	19	1.49
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	19	1.49
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	15	1.49
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	15	1.49
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	15	1.49
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	15	1.49
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	5	1.49
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	13	1.49
(1,228)	1:12:A:TRP:H	1:12:A:TRP:HB3	10	1.49
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD2	17	1.49
(1,215)	1:69:A:VAL:HA	1:70:A:PRO:HD3	17	1.49
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	12	1.49
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	12	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	12	1.49
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	4	1.49
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	4	1.49
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	4	1.49
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	5	1.49
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	5	1.49
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	5	1.49
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	18	1.49
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	18	1.49
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	18	1.49
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	19	1.49
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	19	1.49
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	19	1.49
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	17	1.49
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	17	1.49
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	17	1.49
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	11	1.49
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	11	1.49
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	11	1.49
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	11	1.49
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	11	1.49
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	11	1.49
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	11	1.49
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	11	1.49
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	11	1.49
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	17	1.49
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	17	1.49
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	17	1.49
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	2	1.49
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	2	1.49
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	11	1.49
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	11	1.49
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	11	1.49
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	14	1.49
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	19	1.49
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	19	1.49
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	8	1.49
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	2	1.49
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	6	1.49
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	6	1.49
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	1	1.48
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	1	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	1	1.48
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	5	1.48
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	5	1.48
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	5	1.48
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	10	1.48
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	10	1.48
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	10	1.48
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	16	1.48
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	16	1.48
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.48
(1,2168)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.48
(1,2095)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	19	1.48
(1,2095)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	19	1.48
(1,2095)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	19	1.48
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	18	1.48
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	18	1.48
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	18	1.48
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	18	1.48
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	18	1.48
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	18	1.48
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	18	1.48
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	18	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	18	1.48
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	3	1.48
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	3	1.48
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	3	1.48
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	3	1.48
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	3	1.48
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	3	1.48
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	7	1.48
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	7	1.48
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	7	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	6	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	6	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	9	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	9	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	19	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	19	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	19	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	19	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	19	1.48
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	19	1.48
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	19	1.48
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	8	1.48
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	8	1.48
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	8	1.48
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	15	1.48
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	15	1.48
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	15	1.48
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	15	1.48
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	15	1.48
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	15	1.48
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	17	1.48
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	17	1.48
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	17	1.48
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	17	1.48
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	17	1.48
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	17	1.48
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	17	1.48
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	17	1.48
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	17	1.48
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	16	1.48
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	16	1.48
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	16	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	7	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	7	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	7	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	7	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	7	1.48
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	7	1.48
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	20	1.48
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	20	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	20	1.48
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	20	1.48
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	20	1.48
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	20	1.48
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	2	1.48
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	2	1.48
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	2	1.48
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	17	1.48
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	17	1.48
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	17	1.48
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	17	1.48
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	17	1.48
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	17	1.48
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	17	1.48
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	17	1.48
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	17	1.48
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	2	1.48
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	2	1.48
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	2	1.48
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	14	1.48
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	14	1.48
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	14	1.48
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	14	1.48
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	14	1.48
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	14	1.48
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	14	1.48
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	14	1.48
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	14	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	8	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	8	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	8	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	8	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	8	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	8	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	8	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	8	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	8	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	11	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	11	1.48
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	11	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	11	1.48
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	11	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	11	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	11	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	11	1.48
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	11	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	3	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	17	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	17	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	17	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	17	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	17	1.48
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	17	1.48
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	16	1.48
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	16	1.48
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	16	1.48
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	8	1.48
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	1.48
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	8	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	9	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	9	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	11	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	11	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	19	1.48
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	19	1.48
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	2	1.48
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	2	1.48
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	2	1.48
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	6	1.48
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	6	1.48
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	14	1.48
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	14	1.48
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	15	1.48
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	15	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	5	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	5	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	6	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	6	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	9	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	9	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	17	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	17	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	19	1.48
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	19	1.48
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	3	1.48
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	3	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	5	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	5	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	11	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	11	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	14	1.48
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	14	1.48
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	19	1.48
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	19	1.48
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	4	1.48
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	4	1.48
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	12	1.48
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	12	1.48
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	12	1.48
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	17	1.48
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	17	1.48
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	18	1.48
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	18	1.48
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	18	1.48
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	18	1.48
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	3	1.48
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	3	1.48
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	7	1.48
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	7	1.48
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	8	1.48
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	6	1.48
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	6	1.48
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	6	1.48
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	7	1.48
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	7	1.48
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	7	1.48
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	19	1.48
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	4	1.48
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	4	1.48
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	4	1.48
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	18	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	18	1.48
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	18	1.48
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	13	1.48
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	13	1.48
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	13	1.48
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	3	1.48
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	15	1.48
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	3	1.48
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	3	1.48
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	14	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	5	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	5	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	5	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	6	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	6	1.48
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	6	1.48
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	20	1.48
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	20	1.48
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	4	1.48
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	6	1.48
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	9	1.48
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	15	1.48
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	9	1.48
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	9	1.48
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	9	1.48
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	19	1.48
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	19	1.48
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	19	1.48
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	6	1.48
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	6	1.48
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	4	1.48
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	4	1.48
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	4	1.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	10	1.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	10	1.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	15	1.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	15	1.48
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	13	1.48
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	6	1.48
(1,1048)	1:128:A:VAL:H	1:129:A:TRP:H	6	1.48
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	12	1.48
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	12	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	17	1.48
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	17	1.48
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	17	1.48
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	17	1.48
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	17	1.48
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	17	1.48
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	12	1.48
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	8	1.48
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	8	1.48
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	8	1.48
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	10	1.48
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	10	1.48
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	10	1.48
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	18	1.48
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	18	1.48
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	18	1.48
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	10	1.48
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	10	1.48
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	10	1.48
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	1	1.48
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	1	1.48
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	20	1.48
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	20	1.48
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	16	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	3	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	3	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	3	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	3	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	3	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	3	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	3	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	3	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	3	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	13	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	13	1.48
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	13	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	13	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	13	1.48
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	13	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	13	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	13	1.48
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	13	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD1	5	1.48
(1,694)	1:234:A:ILE:HG13	1:238:A:TYR:HD2	5	1.48
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	9	1.48
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	9	1.48
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	9	1.48
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	9	1.48
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	9	1.48
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	9	1.48
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	9	1.48
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	9	1.48
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	9	1.48
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	10	1.48
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	10	1.48
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	10	1.48
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	3	1.48
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	3	1.48
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	4	1.48
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	4	1.48
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	7	1.48
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	7	1.48
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	7	1.48
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	2	1.48
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	2	1.48
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	2	1.48
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	2	1.48
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	2	1.48
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	2	1.48
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	13	1.48
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	13	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	5	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	5	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	10	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	10	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	17	1.48
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	17	1.48
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	9	1.48
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	14	1.48
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	18	1.48
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	19	1.48
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	6	1.48
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	6	1.48
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	6	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	6	1.48
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	6	1.48
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	6	1.48
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	6	1.48
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	6	1.48
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	6	1.48
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	5	1.48
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	5	1.48
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	5	1.48
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	5	1.48
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	5	1.48
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	5	1.48
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	2	1.48
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	5	1.48
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	11	1.48
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	15	1.48
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	10	1.48
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	10	1.48
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	9	1.48
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	17	1.48
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	5	1.48
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	5	1.48
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	3	1.48
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	3	1.48
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	3	1.48
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	3	1.48
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	3	1.48
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	3	1.48
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	3	1.48
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	3	1.48
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	4	1.48
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	6	1.48
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	6	1.48
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	3	1.48
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	3	1.48
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	3	1.48
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	3	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	3	1.48
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	3	1.48
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	15	1.48
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	15	1.48
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	15	1.48
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	15	1.48
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	15	1.48
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	15	1.48
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	15	1.48
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	15	1.48
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	15	1.48
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	20	1.48
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	20	1.48
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	20	1.48
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	20	1.48
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	2	1.48
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	2	1.48
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	2	1.48
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	9	1.48
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	9	1.48
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	5	1.48
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	5	1.48
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	5	1.48
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	5	1.48
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	5	1.48
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	5	1.48
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	5	1.48
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	5	1.48
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	5	1.48
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	5	1.48
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	5	1.48
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	12	1.48
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	12	1.48
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	6	1.48
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	6	1.48
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	6	1.48
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	15	1.48
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	15	1.48
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	15	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	8	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	8	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	8	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	8	1.48
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	8	1.48
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	8	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	8	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	8	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	8	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	19	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	19	1.48
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	19	1.48
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	19	1.48
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	19	1.48
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	19	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	19	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	19	1.48
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	19	1.48
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	12	1.48
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	12	1.48
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	12	1.48
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	12	1.48
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	11	1.48
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	11	1.48
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	11	1.48
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	11	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	2	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	2	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	2	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	10	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	10	1.48
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	10	1.48
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	14	1.48
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	14	1.48
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	14	1.48
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	18	1.48
(1,182)	1:36:A:GLU:HG2	1:37:A:ALA:H	18	1.48
(1,182)	1:36:A:GLU:HG3	1:37:A:ALA:H	18	1.48
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	14	1.48
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	14	1.48
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	14	1.48
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	11	1.48
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	11	1.48
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	11	1.48
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	7	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	7	1.48
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	7	1.48
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	2	1.48
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	2	1.48
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	2	1.48
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	2	1.48
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	2	1.48
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	2	1.48
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	2	1.48
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	2	1.48
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	2	1.48
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	13	1.48
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	13	1.48
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	13	1.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	6	1.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	6	1.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	6	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	3	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	6	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	7	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	9	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	11	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	16	1.48
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	18	1.48
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	9	1.48
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	9	1.48
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	9	1.48
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	1	1.48
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	11	1.48
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	11	1.48
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	2	1.48
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	7	1.48
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	7	1.48
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	2	1.47
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	2	1.47
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	2	1.47
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	17	1.47
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	17	1.47
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	17	1.47
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	5	1.47
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	5	1.47
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	5	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	20	1.47
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	20	1.47
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	20	1.47
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	20	1.47
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	20	1.47
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	20	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	8	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	8	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	8	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	8	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	8	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	8	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	8	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	8	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	8	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	14	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	14	1.47
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	14	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	14	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	14	1.47
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	14	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	14	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	14	1.47
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	14	1.47
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	7	1.47
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	7	1.47
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	7	1.47
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	7	1.47
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	7	1.47
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	7	1.47
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	7	1.47
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	7	1.47
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	7	1.47
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	19	1.47
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	19	1.47
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	19	1.47
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	19	1.47
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	19	1.47
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	19	1.47
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	6	1.47
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	6	1.47
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	6	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	2	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	2	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	3	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	3	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	11	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	11	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	14	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	14	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	15	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	15	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	15	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	15	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	15	1.47
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	15	1.47
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	15	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	7	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	7	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	7	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	16	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	16	1.47
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	16	1.47
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	13	1.47
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	13	1.47
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	13	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	15	1.47
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	15	1.47
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	15	1.47
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	5	1.47
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	5	1.47
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	5	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	10	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	10	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	10	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	17	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	17	1.47
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	17	1.47
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	15	1.47
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	15	1.47
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	15	1.47
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	6	1.47
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	6	1.47
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	6	1.47
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	6	1.47
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	6	1.47
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	6	1.47
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	6	1.47
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	6	1.47
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	6	1.47
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	4	1.47
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	4	1.47
(1,1911)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	4	1.47
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	4	1.47
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	4	1.47
(1,1911)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	4	1.47
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	4	1.47
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	4	1.47
(1,1911)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	4	1.47
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB1	10	1.47
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB2	10	1.47
(1,1900)	1:127:A:VAL:HG21	1:132:A:ALA:HB3	10	1.47
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB1	10	1.47
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB2	10	1.47
(1,1900)	1:127:A:VAL:HG22	1:132:A:ALA:HB3	10	1.47
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB1	10	1.47
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB2	10	1.47
(1,1900)	1:127:A:VAL:HG23	1:132:A:ALA:HB3	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	13	1.47
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	13	1.47
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	13	1.47
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	15	1.47
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	15	1.47
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	15	1.47
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	15	1.47
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	15	1.47
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	15	1.47
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	15	1.47
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	15	1.47
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	15	1.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	13	1.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	13	1.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	13	1.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	13	1.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	13	1.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	13	1.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	13	1.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	13	1.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	13	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	2	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	2	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	2	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	2	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	20	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	20	1.47
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	20	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	20	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	20	1.47
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	20	1.47
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	13	1.47
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	13	1.47
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	13	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	13	1.47
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	13	1.47
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	13	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	16	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	19	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	20	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	20	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	20	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	20	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	20	1.47
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	20	1.47
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	15	1.47
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	15	1.47
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	15	1.47
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	4	1.47
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	4	1.47
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	4	1.47
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	4	1.47
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	4	1.47
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	4	1.47
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	10	1.47
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	10	1.47
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	10	1.47
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	10	1.47
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	10	1.47
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	10	1.47
(1,1772)	1:222:A:GLN:H	1:223:A:ASN:H	19	1.47
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	6	1.47
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	6	1.47
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	20	1.47
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	3	1.47
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	12	1.47
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	12	1.47
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	3	1.47
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	3	1.47
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	12	1.47
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	12	1.47
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB3	8	1.47
(1,1679)	1:45:A:PHE:H	1:45:A:PHE:HB2	8	1.47
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	12	1.47
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	12	1.47
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	17	1.47
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	17	1.47
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	3	1.47
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	3	1.47
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	10	1.47
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	10	1.47
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	10	1.47
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	8	1.47
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	8	1.47
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	9	1.47
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	1	1.47
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	1	1.47
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	1	1.47
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	6	1.47
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	6	1.47
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	6	1.47
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	8	1.47
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	8	1.47
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	8	1.47
(1,1603)	1:234:A:ILE:HG21	1:235:A:GLN:H	15	1.47
(1,1603)	1:234:A:ILE:HG22	1:235:A:GLN:H	15	1.47
(1,1603)	1:234:A:ILE:HG23	1:235:A:GLN:H	15	1.47
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	12	1.47
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	12	1.47
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	15	1.47
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	15	1.47
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	14	1.47
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	14	1.47
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	14	1.47
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	14	1.47
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	13	1.47
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	18	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	6	1.47
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	6	1.47
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG12	18	1.47
(1,1515)	1:186:A:ILE:H	1:186:A:ILE:HG13	18	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	11	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	11	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	11	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	18	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	18	1.47
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	18	1.47
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	3	1.47
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	3	1.47
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	1	1.47
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	1	1.47
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	11	1.47
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	4	1.47
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	4	1.47
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	6	1.47
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	6	1.47
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	6	1.47
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	13	1.47
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	13	1.47
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	13	1.47
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	3	1.47
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	3	1.47
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	3	1.47
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	7	1.47
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	7	1.47
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	7	1.47
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	6	1.47
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	6	1.47
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	19	1.47
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	1	1.47
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	1	1.47
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	4	1.47
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	4	1.47
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	10	1.47
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	10	1.47
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	12	1.47
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	12	1.47
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	8	1.47
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	10	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	20	1.47
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	20	1.47
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	20	1.47
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	3	1.47
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	9	1.47
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	9	1.47
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	15	1.47
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	15	1.47
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	13	1.47
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	13	1.47
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	13	1.47
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	14	1.47
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	14	1.47
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	14	1.47
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	14	1.47
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	13	1.47
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	13	1.47
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	20	1.47
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	5	1.47
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	5	1.47
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	10	1.47
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	10	1.47
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	10	1.47
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	10	1.47
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	10	1.47
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	10	1.47
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	6	1.47
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	17	1.47
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	17	1.47
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	17	1.47
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	17	1.47
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	17	1.47
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	17	1.47
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	17	1.47
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	17	1.47
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	17	1.47
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	17	1.47
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	17	1.47
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	17	1.47
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	2	1.47
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	2	1.47
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	2	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	8	1.47
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	8	1.47
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	2	1.47
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	2	1.47
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	2	1.47
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	13	1.47
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	13	1.47
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	13	1.47
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	15	1.47
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	15	1.47
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	15	1.47
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	9	1.47
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	9	1.47
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	19	1.47
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	19	1.47
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	8	1.47
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	8	1.47
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	8	1.47
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	9	1.47
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	15	1.47
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	15	1.47
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	15	1.47
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	11	1.47
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	11	1.47
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	11	1.47
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	11	1.47
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	11	1.47
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	11	1.47
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	11	1.47
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	11	1.47
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	11	1.47
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	1	1.47
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	1	1.47
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	2	1.47
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	2	1.47
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	15	1.47
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	11	1.47
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	11	1.47
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	11	1.47
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	11	1.47
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	11	1.47
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	11	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	11	1.47
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	11	1.47
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	11	1.47
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	9	1.47
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	9	1.47
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	9	1.47
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	5	1.47
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	5	1.47
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	15	1.47
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	15	1.47
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	15	1.47
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	15	1.47
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	15	1.47
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	15	1.47
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	14	1.47
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	14	1.47
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	14	1.47
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	12	1.47
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	12	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	1	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	1	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	2	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	2	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	16	1.47
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	16	1.47
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	18	1.47
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	18	1.47
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	18	1.47
(1,538)	1:112:A:ALA:HB1	1:193:A:THR:HA	12	1.47
(1,538)	1:112:A:ALA:HB2	1:193:A:THR:HA	12	1.47
(1,538)	1:112:A:ALA:HB3	1:193:A:THR:HA	12	1.47
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	17	1.47
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	19	1.47
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	16	1.47
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	16	1.47
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	16	1.47
(1,450)	1:210:A:ALA:HB1	1:212:A:MET:H	15	1.47
(1,450)	1:210:A:ALA:HB2	1:212:A:MET:H	15	1.47
(1,450)	1:210:A:ALA:HB3	1:212:A:MET:H	15	1.47
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	10	1.47
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	13	1.47
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	8	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	8	1.47
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	8	1.47
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	3	1.47
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	3	1.47
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	6	1.47
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	6	1.47
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	6	1.47
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	13	1.47
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	13	1.47
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	1	1.47
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	10	1.47
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	7	1.47
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	7	1.47
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	6	1.47
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	6	1.47
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	6	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	12	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	12	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	12	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	19	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	19	1.47
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	19	1.47
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	18	1.47
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	12	1.47
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	12	1.47
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	12	1.47
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	12	1.47
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	12	1.47
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	12	1.47
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	12	1.47
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	12	1.47
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	12	1.47
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	20	1.47
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	20	1.47
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	20	1.47
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	13	1.47
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	13	1.47
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	18	1.47
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	18	1.47
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	12	1.47
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	12	1.47
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	12	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.47
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.47
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.47
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	4	1.47
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	4	1.47
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	4	1.47
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	4	1.47
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	4	1.47
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	4	1.47
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	4	1.47
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	4	1.47
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	4	1.47
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	11	1.47
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	11	1.47
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	11	1.47
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	11	1.47
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	11	1.47
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	11	1.47
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	11	1.47
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	13	1.47
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	13	1.47
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	13	1.47
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	8	1.47
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	8	1.47
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	8	1.47
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	1	1.47
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	1	1.47
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	1	1.47
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	1	1.47
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	1	1.47
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	1	1.47
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	1	1.47
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	1	1.47
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	1	1.47
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	12	1.47
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	12	1.47
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	12	1.47
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	12	1.47
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	12	1.47
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	12	1.47
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	14	1.47
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	14	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	14	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	1	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	2	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	4	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	5	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	12	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	13	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	14	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	15	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	17	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	19	1.47
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	20	1.47
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	12	1.47
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	12	1.47
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	10	1.47
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	10	1.47
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	10	1.47
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	4	1.47
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	4	1.47
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	8	1.47
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	8	1.47
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	4	1.47
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	4	1.47
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	4	1.47
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	4	1.47
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	17	1.47
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	17	1.47
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	14	1.47
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	14	1.47
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	14	1.46
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	14	1.46
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	4	1.46
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	4	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	1	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	2	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	3	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	5	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	7	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	9	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	11	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	11	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	11	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	11	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	11	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	11	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	12	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	14	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	16	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	18	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	19	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	19	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	19	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	19	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	19	1.46
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	19	1.46
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	8	1.46
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	8	1.46
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	8	1.46
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	8	1.46
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	8	1.46
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	8	1.46
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	17	1.46
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	17	1.46
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	17	1.46
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	1.46
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	1	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	1	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	8	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	8	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	12	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	12	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	12	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	12	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	12	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	12	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	12	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	18	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	18	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	20	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	20	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	20	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	20	1.46
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.46
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.46
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	12	1.46
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	12	1.46
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	12	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	7	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	7	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	7	1.46
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	7	1.46
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	7	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	7	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	7	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	7	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	20	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	20	1.46
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	20	1.46
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	20	1.46
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	20	1.46
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	20	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	20	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	20	1.46
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	20	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	12	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	12	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	12	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	13	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	13	1.46
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	13	1.46
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	14	1.46
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	14	1.46
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	14	1.46
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	14	1.46
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	14	1.46
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	14	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	4	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	4	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	4	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	6	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	6	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	6	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	18	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	18	1.46
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	18	1.46
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	7	1.46
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	7	1.46
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	7	1.46
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	7	1.46
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	7	1.46
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	7	1.46
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	6	1.46
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	6	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	6	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	6	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	6	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	6	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	6	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	6	1.46
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	10	1.46
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	10	1.46
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	10	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	10	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	10	1.46
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	10	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	10	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	10	1.46
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	10	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	5	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	5	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	5	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	19	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	19	1.46
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	19	1.46
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	1	1.46
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	1	1.46
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	1	1.46
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	17	1.46
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	17	1.46
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	17	1.46
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	15	1.46
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	15	1.46
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	15	1.46
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	9	1.46
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	9	1.46
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	9	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	5	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	5	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	5	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	5	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	5	1.46
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	5	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	5	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	5	1.46
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	5	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	17	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	17	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	17	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	17	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	17	1.46
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	17	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	6	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	9	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	10	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	13	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	14	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	14	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	14	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	14	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	14	1.46
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	14	1.46
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	5	1.46
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	5	1.46
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	5	1.46
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	1.46
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	1	1.46
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	9	1.46
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	9	1.46
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	9	1.46
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	8	1.46
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	8	1.46
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	12	1.46
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	12	1.46
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	12	1.46
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	12	1.46
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	6	1.46
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	15	1.46
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	15	1.46
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	18	1.46
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	18	1.46
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	2	1.46
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	2	1.46
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	15	1.46
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	15	1.46
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	2	1.46
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	2	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	10	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	10	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	14	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	14	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	18	1.46
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	18	1.46
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	9	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	7	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	7	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	13	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	13	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	15	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	15	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	20	1.46
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	20	1.46
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	15	1.46
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	20	1.46
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	20	1.46
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	5	1.46
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	5	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	5	1.46
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	20	1.46
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	20	1.46
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	20	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	1	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	1	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	1	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	1	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	17	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	17	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	17	1.46
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	17	1.46
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	11	1.46
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	11	1.46
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	1	1.46
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	1	1.46
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	1	1.46
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	1	1.46
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	11	1.46
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	15	1.46
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	15	1.46
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	15	1.46
(1,1259)	1:97:A:THR:HG21	1:99:A:ASP:H	6	1.46
(1,1259)	1:97:A:THR:HG22	1:99:A:ASP:H	6	1.46
(1,1259)	1:97:A:THR:HG23	1:99:A:ASP:H	6	1.46
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	12	1.46
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	12	1.46
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	12	1.46
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	12	1.46
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	2	1.46
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	18	1.46
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	9	1.46
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	16	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	1	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	1	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	1	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	1	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	17	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	17	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	17	1.46
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	17	1.46
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	5	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	1	1.46
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	1	1.46
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	1	1.46
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	1	1.46
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	2	1.46
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	2	1.46
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	2	1.46
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	2	1.46
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	2	1.46
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	2	1.46
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	9	1.46
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	9	1.46
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	9	1.46
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	9	1.46
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	9	1.46
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	9	1.46
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	15	1.46
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	11	1.46
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	11	1.46
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	11	1.46
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	8	1.46
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	11	1.46
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	11	1.46
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	11	1.46
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	11	1.46
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	1	1.46
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	1	1.46
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	1	1.46
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	11	1.46
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	13	1.46
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	14	1.46
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	14	1.46
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	14	1.46
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	14	1.46
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	14	1.46
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	14	1.46
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	4	1.46
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	4	1.46
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	4	1.46
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	6	1.46
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	6	1.46
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	6	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	17	1.46
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	17	1.46
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	17	1.46
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	17	1.46
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	15	1.46
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	15	1.46
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	20	1.46
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	20	1.46
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	20	1.46
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	20	1.46
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	20	1.46
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	8	1.46
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	8	1.46
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	15	1.46
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	15	1.46
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	6	1.46
(1,550)	1:100:A:LEU:HB3	1:104:A:THR:HB	10	1.46
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	18	1.46
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	1	1.46
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	1	1.46
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	5	1.46
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	5	1.46
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	14	1.46
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	14	1.46
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	14	1.46
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	14	1.46
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	14	1.46
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	14	1.46
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	19	1.46
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	19	1.46
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	19	1.46
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	19	1.46
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	6	1.46
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	17	1.46
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	1	1.46
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	1	1.46
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	5	1.46
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	5	1.46
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	18	1.46
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	18	1.46
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	3	1.46
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	7	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	13	1.46
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	8	1.46
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	8	1.46
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	15	1.46
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	15	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	19	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	19	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	20	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	20	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	20	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	20	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	20	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	20	1.46
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	20	1.46
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	19	1.46
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	19	1.46
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	20	1.46
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	20	1.46
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	7	1.46
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	7	1.46
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	7	1.46
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	9	1.46
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	9	1.46
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	7	1.46
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	7	1.46
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	1	1.46
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	1	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	1	1.46
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	17	1.46
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	17	1.46
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	17	1.46
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	16	1.46
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	16	1.46
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	16	1.46
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	16	1.46
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	16	1.46
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	16	1.46
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	16	1.46
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	16	1.46
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	16	1.46
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	5	1.46
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	5	1.46
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	5	1.46
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	5	1.46
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	5	1.46
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	5	1.46
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	10	1.46
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	10	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	3	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	3	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	3	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	3	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	3	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	3	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	3	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	3	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	3	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	6	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	6	1.46
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	6	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	6	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	6	1.46
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	6	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	6	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	6	1.46
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	6	1.46
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	4	1.46
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	4	1.46
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	4	1.46
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	9	1.46
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	12	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	7	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	7	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	7	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	11	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	11	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	11	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	13	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	13	1.46
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	13	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	4	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	4	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	4	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	20	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	20	1.46
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	20	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	1	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	1	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	1	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	1	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	1	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	1	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	20	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	20	1.46
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	20	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	20	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	20	1.46
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	20	1.46
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	12	1.46
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	12	1.46
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	12	1.46
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	11	1.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD11	1	1.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD12	1	1.46
(1,87)	1:59:A:ILE:HA	1:59:A:ILE:HD13	1	1.46
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	7	1.46
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	7	1.46
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	7	1.46
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	7	1.46
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	17	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	17	1.46
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	10	1.46
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	10	1.46
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	17	1.45
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	17	1.45
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	17	1.45
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	12	1.45
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	12	1.45
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	12	1.45
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	16	1.45
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	16	1.45
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	16	1.45
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	2	1.45
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	2	1.45
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	2	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	4	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	6	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	10	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	13	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	15	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	15	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	15	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	15	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	15	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	15	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	17	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	17	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	17	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD21	17	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD22	17	1.45
(1,2091)	1:108:A:LEU:HB3	1:108:A:LEU:HD23	17	1.45
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	3	1.45
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	3	1.45
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	3	1.45
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	3	1.45
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	3	1.45
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	3	1.45
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	3	1.45
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	3	1.45
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	3	1.45
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	20	1.45
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	20	1.45
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	20	1.45
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	20	1.45
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	20	1.45
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	20	1.45
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	15	1.45
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	15	1.45
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	15	1.45
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	15	1.45
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	15	1.45
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	15	1.45
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	15	1.45
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	15	1.45
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	15	1.45
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	12	1.45
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	12	1.45
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	12	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	2	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	2	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	2	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	2	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	2	1.45
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	4	1.45
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	4	1.45
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	4	1.45
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	4	1.45
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	4	1.45
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	4	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	1	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	1	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	1	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	18	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	18	1.45
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	18	1.45
(1,2028)	1:94:A:VAL:HG21	1:136:A:ILE:H	12	1.45
(1,2028)	1:94:A:VAL:HG22	1:136:A:ILE:H	12	1.45
(1,2028)	1:94:A:VAL:HG23	1:136:A:ILE:H	12	1.45
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	17	1.45
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	17	1.45
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	17	1.45
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	11	1.45
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	11	1.45
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	11	1.45
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	11	1.45
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	11	1.45
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	11	1.45
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	19	1.45
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	19	1.45
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	19	1.45
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	19	1.45
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	19	1.45
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	19	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	3	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	3	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	3	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	6	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	6	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	6	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	15	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	15	1.45
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	15	1.45
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	5	1.45
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	5	1.45
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	4	1.45
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	4	1.45
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	4	1.45
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	5	1.45
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	5	1.45
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	5	1.45
(1,1864)	1:94:A:VAL:HG21	1:136:A:ILE:H	12	1.45
(1,1864)	1:94:A:VAL:HG22	1:136:A:ILE:H	12	1.45
(1,1864)	1:94:A:VAL:HG23	1:136:A:ILE:H	12	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	1	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	1	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	1	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	16	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	16	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	16	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	17	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	17	1.45
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	17	1.45
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	13	1.45
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	13	1.45
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	13	1.45
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	13	1.45
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	13	1.45
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	13	1.45
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	13	1.45
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	13	1.45
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	13	1.45
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	8	1.45
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	8	1.45
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	8	1.45
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	8	1.45
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	8	1.45
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	8	1.45
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	8	1.45
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	8	1.45
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	8	1.45
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	8	1.45
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	8	1.45
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	8	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	12	1.45
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	12	1.45
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	12	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	15	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	15	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	15	1.45
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	15	1.45
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	15	1.45
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	15	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	15	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	15	1.45
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	15	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	4	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	11	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	11	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	11	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	11	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	11	1.45
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	11	1.45
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	7	1.45
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	7	1.45
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	7	1.45
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	12	1.45
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	8	1.45
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	8	1.45
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	6	1.45
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	6	1.45
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	18	1.45
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	18	1.45
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	2	1.45
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	2	1.45
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	6	1.45
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	6	1.45
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	13	1.45
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	4	1.45
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	4	1.45
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	4	1.45
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	8	1.45
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	19	1.45
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	19	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	11	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	11	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	13	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	13	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	17	1.45
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	17	1.45
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	19	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	2	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	2	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	7	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	7	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	10	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	10	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	15	1.45
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	15	1.45
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	11	1.45
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	11	1.45
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	11	1.45
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	11	1.45
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	7	1.45
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	7	1.45
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	20	1.45
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	20	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	5	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	5	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	5	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	15	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	15	1.45
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	15	1.45
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	7	1.45
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	7	1.45
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	14	1.45
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	14	1.45
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	3	1.45
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	5	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	5	1.45
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	9	1.45
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	9	1.45
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	13	1.45
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	14	1.45
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	16	1.45
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	14	1.45
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	14	1.45
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	18	1.45
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	18	1.45
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	12	1.45
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	12	1.45
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	12	1.45
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	11	1.45
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	11	1.45
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	5	1.45
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	11	1.45
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	12	1.45
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	15	1.45
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	18	1.45
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	11	1.45
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	11	1.45
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	11	1.45
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	11	1.45
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	14	1.45
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	1	1.45
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	17	1.45
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	17	1.45
(1,875)	1:83:A:LYS:HD2	1:237:A:LEU:HG	12	1.45
(1,875)	1:83:A:LYS:HD3	1:237:A:LEU:HG	12	1.45
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	15	1.45
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	15	1.45
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	15	1.45
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	15	1.45
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	15	1.45
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	15	1.45
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	19	1.45
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	19	1.45
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	19	1.45
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	1	1.45
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	13	1.45
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	9	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	9	1.45
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	9	1.45
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	9	1.45
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	9	1.45
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	9	1.45
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	5	1.45
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	5	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	11	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	11	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	11	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	13	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	13	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	13	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	15	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	15	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	15	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	16	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	16	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	16	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	18	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	18	1.45
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	18	1.45
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	10	1.45
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	10	1.45
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	10	1.45
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	18	1.45
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	11	1.45
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	11	1.45
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	11	1.45
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	11	1.45
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	11	1.45
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	11	1.45
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	14	1.45
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	14	1.45
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	14	1.45
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	14	1.45
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	14	1.45
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	14	1.45
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	14	1.45
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	14	1.45
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	14	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	10	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	10	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	10	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	14	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	14	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	14	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	15	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	15	1.45
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	15	1.45
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	5	1.45
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	5	1.45
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	9	1.45
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	9	1.45
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	4	1.45
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	4	1.45
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	19	1.45
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	19	1.45
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	19	1.45
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	19	1.45
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	12	1.45
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	12	1.45
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	6	1.45
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	6	1.45
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	7	1.45
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	11	1.45
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	15	1.45
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	7	1.45
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	2	1.45
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	2	1.45
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	2	1.45
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	2	1.45
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	2	1.45
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	2	1.45
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	2	1.45
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	2	1.45
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	3	1.45
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	3	1.45
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	3	1.45
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	12	1.45
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	12	1.45
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	12	1.45
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	13	1.45
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	13	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	13	1.45
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	1	1.45
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	3	1.45
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	2	1.45
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	2	1.45
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	15	1.45
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	15	1.45
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	11	1.45
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	14	1.45
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	14	1.45
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	18	1.45
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	18	1.45
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	17	1.45
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	14	1.45
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	14	1.45
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	12	1.45
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	12	1.45
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	19	1.45
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	19	1.45
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	20	1.45
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	20	1.45
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	4	1.45
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	15	1.45
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	6	1.45
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	6	1.45
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	8	1.45
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	8	1.45
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	8	1.45
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	8	1.45
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	8	1.45
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	8	1.45
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	8	1.45
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	8	1.45
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	8	1.45
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	13	1.45
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	13	1.45
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	8	1.45
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	8	1.45
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	1	1.45
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	6	1.45
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	6	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	1	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	1	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	1	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	1	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	1	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	1	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	1	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	1	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	1	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	5	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	5	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	5	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	5	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	5	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	5	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	5	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	5	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	5	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	11	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	11	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	11	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	11	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	11	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	11	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	11	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	11	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	11	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	13	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	13	1.45
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	13	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	13	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	13	1.45
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	13	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	13	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	13	1.45
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	13	1.45
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	17	1.45
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	3	1.45
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	3	1.45
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	3	1.45
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	12	1.45
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	12	1.45
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	12	1.45
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	12	1.45
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	12	1.45
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	5	1.45
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	5	1.45
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	5	1.45
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	4	1.45
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	4	1.45
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	4	1.45
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	4	1.45
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	4	1.45
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	4	1.45
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	16	1.45
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	16	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	1	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	1	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	1	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	4	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	4	1.45
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	4	1.45
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	1	1.45
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	1	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	4	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	4	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	4	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG21	18	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG22	18	1.45
(1,88)	1:61:A:ILE:HA	1:61:A:ILE:HG23	18	1.45
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	17	1.45
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	17	1.45
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	17	1.45
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	10	1.45
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	10	1.45
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	10	1.45
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	10	1.45
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	2	1.45
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	2	1.45
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	3	1.44
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	18	1.44
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	18	1.44
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	18	1.44
(1,2185)	1:128:A:VAL:HG21	1:129:A:TRP:H	7	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2185)	1:128:A:VAL:HG22	1:129:A:TRP:H	7	1.44
(1,2185)	1:128:A:VAL:HG23	1:129:A:TRP:H	7	1.44
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	15	1.44
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	15	1.44
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	15	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	2	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	2	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	2	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	2	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	2	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	2	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	2	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	2	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	2	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	16	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	16	1.44
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	16	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	16	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	16	1.44
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	16	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	16	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	16	1.44
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	16	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	1	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	1	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	1	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	1	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	1	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	1	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	8	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	8	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	8	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	8	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	8	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	8	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	10	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	10	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	10	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	10	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	10	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	10	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD21	20	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD22	20	1.44
(1,2057)	1:39:A:LEU:HB2	1:39:A:LEU:HD23	20	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD21	20	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD22	20	1.44
(1,2057)	1:39:A:LEU:HB3	1:39:A:LEU:HD23	20	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	10	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	10	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	10	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	10	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	10	1.44
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	10	1.44
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	10	1.44
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	10	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	4	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	4	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	4	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	5	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	5	1.44
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	5	1.44
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	14	1.44
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	14	1.44
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	14	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	2	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	2	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	2	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	10	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	10	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	10	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	12	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	12	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	12	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	14	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	14	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	14	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	18	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	18	1.44
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	18	1.44
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	5	1.44
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	5	1.44
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	5	1.44
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	5	1.44
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	5	1.44
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	5	1.44
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	18	1.44
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	18	1.44
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	18	1.44
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	4	1.44
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	4	1.44
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	4	1.44
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	2	1.44
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	2	1.44
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	2	1.44
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	1	1.44
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	1	1.44
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	1	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	3	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	3	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	3	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	19	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	19	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	19	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	20	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	20	1.44
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	20	1.44
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	11	1.44
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	11	1.44
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	11	1.44
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	11	1.44
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	11	1.44
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	11	1.44
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	15	1.44
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	15	1.44
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	15	1.44
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	15	1.44
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	15	1.44
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	7	1.44
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	7	1.44
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	7	1.44
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	2	1.44
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	2	1.44
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	2	1.44
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	2	1.44
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	1	1.44
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	1	1.44
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	15	1.44
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	15	1.44
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	17	1.44
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	17	1.44
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	7	1.44
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	7	1.44
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	7	1.44
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	11	1.44
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	11	1.44
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	15	1.44
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	15	1.44
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	9	1.44
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	9	1.44
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	9	1.44
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	16	1.44
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	16	1.44
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	19	1.44
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	19	1.44
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	3	1.44
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	3	1.44
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	7	1.44
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	7	1.44
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	13	1.44
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	13	1.44
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	2	1.44
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	2	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	3	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	3	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	6	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	6	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	8	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	8	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	11	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	11	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	12	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	12	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	19	1.44
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	19	1.44
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	12	1.44
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	12	1.44
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	12	1.44
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	12	1.44
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	7	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	1	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	1	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	1	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	9	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	9	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	9	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	13	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	13	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	13	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	19	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	19	1.44
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	19	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	5	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	5	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	6	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	6	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	12	1.44
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	12	1.44
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	2	1.44
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	2	1.44
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	2	1.44
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	20	1.44
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	20	1.44
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	16	1.44
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	20	1.44
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	20	1.44
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	1	1.44
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	1	1.44
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	1	1.44
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	16	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	16	1.44
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	16	1.44
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	16	1.44
(1,1349)	1:122:A:LEU:H	1:122:A:LEU:HB2	5	1.44
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	14	1.44
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	14	1.44
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	19	1.44
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	19	1.44
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	15	1.44
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	20	1.44
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	12	1.44
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	12	1.44
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	12	1.44
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	1	1.44
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	17	1.44
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	8	1.44
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	8	1.44
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	8	1.44
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	2	1.44
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	12	1.44
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	19	1.44
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB2	15	1.44
(1,1242)	1:171:A:HIS:H	1:171:A:HIS:HB3	15	1.44
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	1	1.44
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	1	1.44
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	1	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	8	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	8	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	8	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	9	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	9	1.44
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	9	1.44
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	7	1.44
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	7	1.44
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	19	1.44
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	19	1.44
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	12	1.44
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	12	1.44
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	12	1.44
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	12	1.44
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	10	1.44
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	10	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	3	1.44
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	11	1.44
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	4	1.44
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	4	1.44
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	6	1.44
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	6	1.44
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	6	1.44
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	6	1.44
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	8	1.44
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	8	1.44
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	8	1.44
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	8	1.44
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	8	1.44
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	8	1.44
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	17	1.44
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	17	1.44
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	17	1.44
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	20	1.44
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	20	1.44
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	20	1.44
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	8	1.44
(1,789)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	8	1.44
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	8	1.44
(1,789)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	8	1.44
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	8	1.44
(1,789)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	8	1.44
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	20	1.44
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	20	1.44
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	20	1.44
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	17	1.44
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	4	1.44
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	12	1.44
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	16	1.44
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	18	1.44
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	13	1.44
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	13	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	6	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	6	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	6	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	9	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	9	1.44
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	1	1.44
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	1	1.44
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	1	1.44
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	4	1.44
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	4	1.44
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	4	1.44
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	5	1.44
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	5	1.44
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	5	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	4	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	4	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	4	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	19	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	19	1.44
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	19	1.44
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	5	1.44
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	19	1.44
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	19	1.44
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	19	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	19	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	19	1.44
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	19	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	19	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	19	1.44
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	19	1.44
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	17	1.44
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	8	1.44
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	8	1.44
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	19	1.44
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	19	1.44
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	19	1.44
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	1	1.44
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	4	1.44
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	4	1.44
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	4	1.44
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	4	1.44
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	4	1.44
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	4	1.44
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	1	1.44
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	1	1.44
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	1	1.44
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	15	1.44
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	15	1.44
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	5	1.44
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	5	1.44
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	9	1.44
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	9	1.44
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	11	1.44
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	11	1.44
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	7	1.44
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	7	1.44
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	10	1.44
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	10	1.44
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	10	1.44
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	1	1.44
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	2	1.44
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	5	1.44
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	8	1.44
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	17	1.44
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	1.44
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	10	1.44
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	17	1.44
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	17	1.44
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	6	1.44
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	4	1.44
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	4	1.44
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	4	1.44
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	4	1.44
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	18	1.44
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	18	1.44
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	11	1.44
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	11	1.44
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	13	1.44
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	13	1.44
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	13	1.44
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	6	1.44
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	6	1.44
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	1	1.44
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	1	1.44
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	1	1.44
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	1	1.44
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	1	1.44
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	7	1.44
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	5	1.44
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	5	1.44
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	5	1.44
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	15	1.44
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	15	1.44
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG21	15	1.44
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG22	15	1.44
(1,294)	1:29:A:THR:HA	1:29:A:THR:HG23	15	1.44
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	14	1.44
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	14	1.44
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	16	1.44
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	16	1.44
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	17	1.44
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	2	1.44
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	2	1.44
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	2	1.44
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	5	1.44
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	5	1.44
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	5	1.44
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	18	1.44
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	18	1.44
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	18	1.44
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	14	1.44
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	14	1.44
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	15	1.44
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	15	1.44
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	1	1.44
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	1	1.44
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	1	1.44
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	2	1.44
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	2	1.44
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	2	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	9	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	9	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	9	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	18	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	18	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	18	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	19	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	19	1.44
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	12	1.44
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	12	1.44
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	12	1.44
(1,150)	1:104:A:THR:H	1:104:A:THR:HB	10	1.44
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	1	1.44
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	1	1.44
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	3	1.44
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	3	1.44
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	9	1.44
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	9	1.44
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	9	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	3	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	3	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	3	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	5	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	5	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	5	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	11	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	11	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	11	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	12	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	12	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	12	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	13	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	13	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	13	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	14	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	14	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	14	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	15	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	15	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	15	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	16	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	16	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	16	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	19	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	19	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	19	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	20	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	20	1.44
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	20	1.44
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	19	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	19	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	8	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	8	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	8	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	11	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	11	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	11	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	14	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	14	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	14	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	16	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	16	1.44
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	16	1.44
(1,59)	1:91:A:TYR:HA	1:134:A:ILE:H	15	1.44
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	12	1.43
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	12	1.43
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	12	1.43
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	12	1.43
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	12	1.43
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	12	1.43
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	10	1.43
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	10	1.43
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	10	1.43
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	11	1.43
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	11	1.43
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	11	1.43
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	10	1.43
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	10	1.43
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	10	1.43
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	10	1.43
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	10	1.43
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	10	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	7	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	7	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	7	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	7	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	7	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	7	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	13	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	13	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	13	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	13	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	13	1.43
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	13	1.43
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	13	1.43
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	2	1.43
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	2	1.43
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	2	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	3	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	3	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	3	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	8	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	8	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	8	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	9	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	9	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	9	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	12	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	12	1.43
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	12	1.43
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	11	1.43
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	11	1.43
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	11	1.43
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	3	1.43
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	3	1.43
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	3	1.43
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	3	1.43
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	3	1.43
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	3	1.43
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	3	1.43
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	3	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	1	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	1	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	1	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	12	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	12	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	12	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	20	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	20	1.43
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	20	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	17	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	17	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	17	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	20	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	20	1.43
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	20	1.43
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD11	11	1.43
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD12	11	1.43
(1,1957)	1:24:A:LEU:HB3	1:24:A:LEU:HD13	11	1.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	1	1.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	1	1.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	1	1.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	1	1.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	1	1.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	1	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	17	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	17	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	17	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	17	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	17	1.43
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	17	1.43
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	17	1.43
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	17	1.43
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	17	1.43
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	17	1.43
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	17	1.43
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	17	1.43
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	17	1.43
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	17	1.43
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD11	16	1.43
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD12	16	1.43
(1,1888)	1:43:A:GLN:HG2	1:48:A:LEU:HD13	16	1.43
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD11	16	1.43
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD12	16	1.43
(1,1888)	1:43:A:GLN:HG3	1:48:A:LEU:HD13	16	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	8	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	8	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	8	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	8	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	8	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	8	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	8	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	8	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	8	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	20	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	20	1.43
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	20	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	20	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	20	1.43
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	20	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	20	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	20	1.43
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	20	1.43
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	5	1.43
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	5	1.43
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	5	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	11	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	11	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	11	1.43
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	11	1.43
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	11	1.43
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	11	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	11	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	11	1.43
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	11	1.43
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG11	8	1.43
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG12	8	1.43
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG13	8	1.43
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG21	8	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG22	8	1.43
(1,1813)	1:105:A:VAL:HA	1:105:A:VAL:HG23	8	1.43
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	11	1.43
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	11	1.43
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	11	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	4	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	4	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	10	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	10	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	20	1.43
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	20	1.43
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	17	1.43
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	10	1.43
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	12	1.43
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	15	1.43
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	1	1.43
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	1	1.43
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	20	1.43
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	20	1.43
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	4	1.43
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	4	1.43
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	5	1.43
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	5	1.43
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	17	1.43
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	17	1.43
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	17	1.43
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	4	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	2	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	2	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	5	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	5	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	8	1.43
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	8	1.43
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	7	1.43
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	20	1.43
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	2	1.43
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	16	1.43
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	1	1.43
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	1	1.43
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	1	1.43
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	12	1.43
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	12	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	12	1.43
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	12	1.43
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	12	1.43
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	1	1.43
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	1	1.43
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	1	1.43
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	3	1.43
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	1	1.43
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	1	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	1	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	1	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	5	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	5	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	20	1.43
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	20	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	5	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	5	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	5	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	5	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	16	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	16	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	16	1.43
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	16	1.43
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	17	1.43
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	14	1.43
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	14	1.43
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	14	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	8	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	8	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	13	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	13	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	18	1.43
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	18	1.43
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	8	1.43
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	8	1.43
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	8	1.43
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	8	1.43
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	17	1.43
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	18	1.43
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	18	1.43
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	2	1.43
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	2	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	3	1.43
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	3	1.43
(1,1297)	1:194:A:HIS:HB2	1:195:A:ALA:H	7	1.43
(1,1297)	1:194:A:HIS:HB3	1:195:A:ALA:H	7	1.43
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	19	1.43
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	20	1.43
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	13	1.43
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	13	1.43
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	13	1.43
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	5	1.43
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	7	1.43
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	18	1.43
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	4	1.43
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	1	1.43
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	1	1.43
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	13	1.43
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	14	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	5	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	5	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	5	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	5	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	16	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	16	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	16	1.43
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	16	1.43
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	12	1.43
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	12	1.43
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	14	1.43
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	14	1.43
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	1	1.43
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	1	1.43
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	4	1.43
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	4	1.43
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	4	1.43
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	4	1.43
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	4	1.43
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	4	1.43
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	5	1.43
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	5	1.43
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	5	1.43
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	15	1.43
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	4	1.43
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	4	1.43
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	4	1.43
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	8	1.43
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	8	1.43
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	15	1.43
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	15	1.43
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	2	1.43
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	2	1.43
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	2	1.43
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	7	1.43
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	7	1.43
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	7	1.43
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	12	1.43
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	12	1.43
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	12	1.43
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	19	1.43
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	19	1.43
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	19	1.43
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	20	1.43
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	20	1.43
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	20	1.43
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	12	1.43
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	19	1.43
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	20	1.43
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	5	1.43
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	5	1.43
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	5	1.43
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	5	1.43
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	5	1.43
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	5	1.43
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	10	1.43
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	10	1.43
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	10	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	10	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	10	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	10	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	10	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	10	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	10	1.43
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	15	1.43
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	15	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	15	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	15	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	15	1.43
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	15	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	15	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	15	1.43
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	15	1.43
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	4	1.43
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	4	1.43
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	4	1.43
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	4	1.43
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	4	1.43
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	4	1.43
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	4	1.43
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	4	1.43
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	4	1.43
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	3	1.43
(1,674)	1:46:A:PHE:HE1	1:61:A:ILE:HB	4	1.43
(1,674)	1:46:A:PHE:HE2	1:61:A:ILE:HB	4	1.43
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	16	1.43
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG21	17	1.43
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG22	17	1.43
(1,657)	1:50:A:ILE:H	1:50:A:ILE:HG23	17	1.43
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	13	1.43
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	5	1.43
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	5	1.43
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	5	1.43
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	6	1.43
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	6	1.43
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	6	1.43
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	10	1.43
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	10	1.43
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	4	1.43
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	10	1.43
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	17	1.43
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	4	1.43
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	13	1.43
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	13	1.43
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB1	16	1.43
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB2	16	1.43
(1,504)	1:34:A:SER:HA	1:37:A:ALA:HB3	16	1.43
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	3	1.43
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	3	1.43
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	3	1.43
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	5	1.43
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	5	1.43
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	5	1.43
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	5	1.43
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	4	1.43
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	4	1.43
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	4	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	3	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	3	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	3	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	14	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	14	1.43
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	14	1.43
(1,427)	1:231:A:ILE:HB	1:232:A:LYS:H	14	1.43
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	4	1.43
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	4	1.43
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	8	1.43
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	8	1.43
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	13	1.43
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	1	1.43
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	1	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	8	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	8	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	8	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	12	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	12	1.43
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	12	1.43
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	5	1.43
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	5	1.43
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	5	1.43
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	1	1.43
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	1	1.43
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	8	1.43
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	8	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	7	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	7	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	7	1.43
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	7	1.43
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	7	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	7	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	7	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	7	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	7	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	11	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	11	1.43
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	11	1.43
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	11	1.43
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	11	1.43
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	11	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	11	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	11	1.43
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	11	1.43
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	12	1.43
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	7	1.43
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	7	1.43
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	10	1.43
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	10	1.43
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	10	1.43
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	3	1.43
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	3	1.43
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	12	1.43
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	12	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	2	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	2	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	2	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	2	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	2	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	2	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	2	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	2	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	2	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	20	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	20	1.43
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	20	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	20	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	20	1.43
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	20	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	20	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	20	1.43
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	20	1.43
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	3	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	3	1.43
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	3	1.43
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	3	1.43
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	19	1.43
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	19	1.43
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	19	1.43
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	4	1.43
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	4	1.43
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	4	1.43
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	4	1.43
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	4	1.43
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	4	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	7	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	7	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	7	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	11	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	11	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	11	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB1	17	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB2	17	1.43
(1,187)	1:73:A:ALA:H	1:73:A:ALA:HB3	17	1.43
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	13	1.43
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	18	1.43
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	18	1.43
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	18	1.43
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	13	1.43
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	13	1.43
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	13	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	2	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	2	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	2	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	6	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	6	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	6	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	7	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	7	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	7	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	9	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	9	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	9	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	17	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	17	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	17	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	18	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	18	1.43
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	18	1.43
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	19	1.43
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	19	1.43
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	19	1.43
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	19	1.43
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	19	1.43
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	19	1.43
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	7	1.43
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	7	1.43
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	9	1.43
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	9	1.43
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	2	1.43
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	2	1.43
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	2	1.43
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	2	1.43
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	11	1.43
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	11	1.43
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD21	2	1.42
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD22	2	1.42
(1,2195)	1:200:A:LEU:H	1:200:A:LEU:HD23	2	1.42
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	13	1.42
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	13	1.42
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	13	1.42
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	13	1.42
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	13	1.42
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	13	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	7	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	7	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	7	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	16	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	16	1.42
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	16	1.42
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	3	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	3	1.42
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	3	1.42
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	14	1.42
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	14	1.42
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	14	1.42
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	9	1.42
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	9	1.42
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	9	1.42
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	12	1.42
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	12	1.42
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	12	1.42
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	12	1.42
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	18	1.42
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	18	1.42
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	18	1.42
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	18	1.42
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	18	1.42
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	18	1.42
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	16	1.42
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	16	1.42
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	16	1.42
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	16	1.42
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	16	1.42
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	16	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	10	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	10	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	10	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	11	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	11	1.42
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	11	1.42
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	9	1.42
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	9	1.42
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	9	1.42
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	13	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	13	1.42
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	13	1.42
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	13	1.42
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	13	1.42
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	13	1.42
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	11	1.42
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	11	1.42
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	11	1.42
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	11	1.42
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	11	1.42
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	11	1.42
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	11	1.42
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	11	1.42
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	11	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	13	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	13	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	13	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	16	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	16	1.42
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	16	1.42
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	7	1.42
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	7	1.42
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	7	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	3	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	3	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	3	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	7	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	7	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	7	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	8	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	8	1.42
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	8	1.42
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	2	1.42
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	2	1.42
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	2	1.42
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	2	1.42
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	2	1.42
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	2	1.42
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	2	1.42
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	2	1.42
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	2	1.42
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	2	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	2	1.42
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	2	1.42
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	18	1.42
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	18	1.42
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	18	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	7	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	7	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	7	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	16	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	16	1.42
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	16	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	13	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	13	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	13	1.42
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	13	1.42
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	13	1.42
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	13	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	13	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	13	1.42
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	13	1.42
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	18	1.42
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	18	1.42
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	18	1.42
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	17	1.42
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	17	1.42
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	17	1.42
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	3	1.42
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	3	1.42
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	14	1.42
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	13	1.42
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	13	1.42
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	13	1.42
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	16	1.42
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	16	1.42
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	7	1.42
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	7	1.42
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	11	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	1	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	1	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	6	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	6	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	11	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	14	1.42
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	14	1.42
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	11	1.42
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	11	1.42
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	11	1.42
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	1	1.42
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	9	1.42
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	9	1.42
(1,1595)	1:232:A:LYS:HG2	1:233:A:GLY:H	20	1.42
(1,1595)	1:232:A:LYS:HG3	1:233:A:GLY:H	20	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	13	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	13	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	14	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	14	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	16	1.42
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	16	1.42
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	3	1.42
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	3	1.42
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	3	1.42
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	3	1.42
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	19	1.42
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	19	1.42
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	8	1.42
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	8	1.42
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	8	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	10	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	10	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	10	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	12	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	12	1.42
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	12	1.42
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	3	1.42
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	3	1.42
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	15	1.42
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	3	1.42
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	3	1.42
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	3	1.42
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	17	1.42
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	17	1.42
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	17	1.42
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	4	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	11	1.42
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	11	1.42
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	11	1.42
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	14	1.42
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	14	1.42
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	14	1.42
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	16	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	1	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	1	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	1	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	2	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	2	1.42
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	2	1.42
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	5	1.42
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	17	1.42
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	20	1.42
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	16	1.42
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	16	1.42
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	6	1.42
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	3	1.42
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	3	1.42
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	3	1.42
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	3	1.42
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	12	1.42
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	12	1.42
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	3	1.42
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	13	1.42
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	6	1.42
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	6	1.42
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	5	1.42
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	5	1.42
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	5	1.42
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	5	1.42
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	5	1.42
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	5	1.42
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	6	1.42
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	6	1.42
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	6	1.42
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	6	1.42
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	6	1.42
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	6	1.42
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	18	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	18	1.42
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	18	1.42
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	18	1.42
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	18	1.42
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	18	1.42
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	16	1.42
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	16	1.42
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	16	1.42
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	15	1.42
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	15	1.42
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	15	1.42
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	15	1.42
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	15	1.42
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	15	1.42
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	15	1.42
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	15	1.42
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	15	1.42
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	1	1.42
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	1	1.42
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	1	1.42
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	9	1.42
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	9	1.42
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	9	1.42
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	9	1.42
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	9	1.42
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	9	1.42
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	9	1.42
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	9	1.42
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	9	1.42
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	7	1.42
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	3	1.42
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	3	1.42
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	3	1.42
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	3	1.42
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	8	1.42
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	8	1.42
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	8	1.42
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	8	1.42
(1,760)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	5	1.42
(1,760)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	5	1.42
(1,760)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	5	1.42
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	14	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	14	1.42
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	18	1.42
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	18	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	3	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	3	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	3	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	11	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	11	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	11	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	13	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	13	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	13	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	14	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	14	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	14	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	15	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	15	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	15	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	16	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	16	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	16	1.42
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	18	1.42
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	18	1.42
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	18	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	9	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	9	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	9	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	13	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	13	1.42
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	13	1.42
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	14	1.42
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB2	10	1.42
(1,723)	1:97:A:THR:HG21	1:178:A:TRP:HB3	10	1.42
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB2	10	1.42
(1,723)	1:97:A:THR:HG22	1:178:A:TRP:HB3	10	1.42
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB2	10	1.42
(1,723)	1:97:A:THR:HG23	1:178:A:TRP:HB3	10	1.42
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	6	1.42
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	6	1.42
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	6	1.42
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	6	1.42
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	6	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	6	1.42
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	1	1.42
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	11	1.42
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	13	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	8	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	8	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	8	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	12	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	12	1.42
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	12	1.42
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	10	1.42
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	10	1.42
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	16	1.42
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	16	1.42
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	16	1.42
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	16	1.42
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	16	1.42
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	16	1.42
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	16	1.42
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	16	1.42
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	20	1.42
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	20	1.42
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	20	1.42
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	19	1.42
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	19	1.42
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	19	1.42
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	19	1.42
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	19	1.42
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	19	1.42
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	18	1.42
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	18	1.42
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD11	13	1.42
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD12	13	1.42
(1,571)	1:84:A:TRP:HZ2	1:134:A:ILE:HD13	13	1.42
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	19	1.42
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	19	1.42
(1,557)	1:232:A:LYS:H	1:232:A:LYS:HB3	16	1.42
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	12	1.42
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	8	1.42
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	8	1.42
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	8	1.42
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	7	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	7	1.42
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG21	17	1.42
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG22	17	1.42
(1,485)	1:50:A:ILE:H	1:50:A:ILE:HG23	17	1.42
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	4	1.42
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	4	1.42
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	4	1.42
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	4	1.42
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	4	1.42
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	4	1.42
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	4	1.42
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	4	1.42
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	4	1.42
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	15	1.42
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	15	1.42
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	15	1.42
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	8	1.42
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	17	1.42
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	17	1.42
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	17	1.42
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	17	1.42
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	17	1.42
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	17	1.42
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	13	1.42
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	13	1.42
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	7	1.42
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	16	1.42
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	9	1.42
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	9	1.42
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	6	1.42
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	6	1.42
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	10	1.42
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	10	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	15	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	15	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	15	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	16	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	16	1.42
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	16	1.42
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	19	1.42
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	19	1.42
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	19	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	12	1.42
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	5	1.42
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	5	1.42
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	5	1.42
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	5	1.42
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	5	1.42
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	5	1.42
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	16	1.42
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	16	1.42
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	16	1.42
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	16	1.42
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	16	1.42
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	16	1.42
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	9	1.42
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	9	1.42
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	9	1.42
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	8	1.42
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	8	1.42
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	8	1.42
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	9	1.42
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	9	1.42
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	9	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	9	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	9	1.42
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	9	1.42
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	2	1.42
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	2	1.42
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	7	1.42
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	7	1.42
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	8	1.42
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	8	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	2	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	2	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	2	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	2	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	8	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	8	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	8	1.42
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	8	1.42
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	4	1.42
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	14	1.42
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	18	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	18	1.42
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	18	1.42
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	8	1.42
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	8	1.42
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	8	1.42
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	8	1.42
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	8	1.42
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	8	1.42
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	16	1.42
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	16	1.42
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	16	1.42
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	6	1.42
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	6	1.42
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	6	1.42
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	10	1.42
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	10	1.42
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	10	1.42
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	10	1.42
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	10	1.42
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	10	1.42
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	10	1.42
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	10	1.42
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	10	1.42
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	6	1.42
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	6	1.42
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	6	1.42
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG21	8	1.42
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG22	8	1.42
(1,106)	1:104:A:THR:HA	1:104:A:THR:HG23	8	1.42
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	12	1.42
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	12	1.42
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	5	1.42
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	5	1.42
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	5	1.42
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	5	1.42
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	1	1.42
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	1	1.42
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	5	1.42
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	5	1.42
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	13	1.42
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	13	1.42
(1,7)	1:195:A:ALA:HA	1:198:A:HIS:HD2	13	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	10	1.41
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	10	1.41
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	10	1.41
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	9	1.41
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	9	1.41
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	9	1.41
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	9	1.41
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	9	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	12	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	12	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	12	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	13	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	13	1.41
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	13	1.41
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG11	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG12	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG13	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG21	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG22	1:125:A:ARG:H	12	1.41
(1,2180)	1:88:A:VAL:HG23	1:125:A:ARG:H	12	1.41
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	11	1.41
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	11	1.41
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	11	1.41
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	6	1.41
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	6	1.41
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	20	1.41
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	20	1.41
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	20	1.41
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	6	1.41
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	6	1.41
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	6	1.41
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	6	1.41
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	6	1.41
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	6	1.41
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	14	1.41
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	14	1.41
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	14	1.41
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	3	1.41
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	3	1.41
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	3	1.41
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG21	12	1.41
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG22	12	1.41
(1,2013)	1:89:A:VAL:H	1:89:A:VAL:HG23	12	1.41
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	16	1.41
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	16	1.41
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	16	1.41
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	16	1.41
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	16	1.41
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	16	1.41
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	16	1.41
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	16	1.41
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	16	1.41
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	13	1.41
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	13	1.41
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	13	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	4	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	4	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	4	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	7	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	7	1.41
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	7	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	3	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	3	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	3	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	3	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	3	1.41
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	17	1.41
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	17	1.41
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	17	1.41
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	17	1.41
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	17	1.41
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	17	1.41
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	17	1.41
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	17	1.41
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	17	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	1	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	1	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	1	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	6	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	6	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	6	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	20	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	20	1.41
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	20	1.41
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	10	1.41
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	10	1.41
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	10	1.41
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	10	1.41
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	10	1.41
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	10	1.41
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	10	1.41
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	10	1.41
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	10	1.41
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	12	1.41
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	12	1.41
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	12	1.41
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	3	1.41
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	3	1.41
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	3	1.41
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	3	1.41
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	3	1.41
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	3	1.41
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	3	1.41
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	3	1.41
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	3	1.41
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	14	1.41
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	14	1.41
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	14	1.41
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	14	1.41
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	14	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	12	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	12	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	12	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	13	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	13	1.41
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	13	1.41
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	1	1.41
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	1	1.41
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	1	1.41
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	1	1.41
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	1	1.41
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	1	1.41
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	1	1.41
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	1	1.41
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	1	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	8	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	8	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	8	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	8	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	8	1.41
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	8	1.41
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	9	1.41
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	9	1.41
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	9	1.41
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	9	1.41
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	9	1.41
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	17	1.41
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	17	1.41
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	4	1.41
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	4	1.41
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	4	1.41
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	4	1.41
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	18	1.41
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	18	1.41
(1,1618)	1:15:A:ALA:HB1	1:16:A:GLN:H	14	1.41
(1,1618)	1:15:A:ALA:HB2	1:16:A:GLN:H	14	1.41
(1,1618)	1:15:A:ALA:HB3	1:16:A:GLN:H	14	1.41
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	4	1.41
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	12	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	12	1.41
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	9	1.41
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	9	1.41
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	10	1.41
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	10	1.41
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	9	1.41
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	9	1.41
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	14	1.41
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	5	1.41
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	4	1.41
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	4	1.41
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	4	1.41
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	1	1.41
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	5	1.41
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	5	1.41
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	5	1.41
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	10	1.41
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	10	1.41
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	10	1.41
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	14	1.41
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	14	1.41
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	14	1.41
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	15	1.41
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	15	1.41
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	15	1.41
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	7	1.41
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	7	1.41
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	7	1.41
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	13	1.41
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	13	1.41
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	13	1.41
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	13	1.41
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	2	1.41
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	2	1.41
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	2	1.41
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	3	1.41
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	4	1.41
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	4	1.41
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	4	1.41
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	11	1.41
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	11	1.41
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	18	1.41
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	18	1.41
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	18	1.41
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	3	1.41
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	19	1.41
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	8	1.41
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	5	1.41
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	5	1.41
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	12	1.41
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	12	1.41
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	12	1.41
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	6	1.41
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	5	1.41
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	5	1.41
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	17	1.41
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	17	1.41
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	15	1.41
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	15	1.41
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	15	1.41
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	3	1.41
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	13	1.41
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	5	1.41
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	5	1.41
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	5	1.41
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	4	1.41
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	13	1.41
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	13	1.41
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	3	1.41
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	3	1.41
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	3	1.41
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	3	1.41
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	3	1.41
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	3	1.41
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	19	1.41
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	9	1.41
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	9	1.41
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	9	1.41
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	14	1.41
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	14	1.41
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	14	1.41
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	11	1.41
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	11	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	11	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	11	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	11	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	11	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	11	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	11	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	11	1.41
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	14	1.41
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	14	1.41
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	14	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	14	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	14	1.41
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	14	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	14	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	14	1.41
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	14	1.41
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	11	1.41
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	6	1.41
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	6	1.41
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	6	1.41
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	6	1.41
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	3	1.41
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	3	1.41
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	4	1.41
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	4	1.41
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	6	1.41
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	6	1.41
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	6	1.41
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	17	1.41
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	17	1.41
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	17	1.41
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	2	1.41
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	2	1.41
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	2	1.41
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	2	1.41
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	2	1.41
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	2	1.41
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	3	1.41
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	3	1.41
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	3	1.41
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	3	1.41
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	3	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	3	1.41
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	11	1.41
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	11	1.41
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	11	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	3	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	3	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	3	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	3	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	3	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	3	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	10	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	10	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	10	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	10	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	10	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	10	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	13	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	13	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	13	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	13	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	13	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	13	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	15	1.41
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	15	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	15	1.41
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	15	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	15	1.41
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	15	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	15	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	15	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	15	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	16	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	16	1.41
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	16	1.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	6	1.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	6	1.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	6	1.41
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	14	1.41
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	14	1.41
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	9	1.41
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	9	1.41
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	9	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	9	1.41
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	9	1.41
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	9	1.41
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	1	1.41
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	1	1.41
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	1	1.41
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	1	1.41
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	9	1.41
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	9	1.41
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	9	1.41
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	9	1.41
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	5	1.41
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	5	1.41
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	5	1.41
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	5	1.41
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	5	1.41
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	5	1.41
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	14	1.41
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	14	1.41
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	14	1.41
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	1	1.41
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	4	1.41
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	4	1.41
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	4	1.41
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	4	1.41
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	17	1.41
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	17	1.41
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	17	1.41
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	17	1.41
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	17	1.41
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	17	1.41
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	17	1.41
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	17	1.41
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	17	1.41
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	11	1.41
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	12	1.41
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	12	1.41
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	16	1.41
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	16	1.41
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	6	1.41
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	6	1.41
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	6	1.41
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	11	1.41
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	11	1.41
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	14	1.41
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	14	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	1	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	1	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	1	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	19	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	19	1.41
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	19	1.41
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	1	1.41
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	1	1.41
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	1	1.41
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	16	1.41
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	16	1.41
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	5	1.41
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	3	1.41
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	3	1.41
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	3	1.41
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	3	1.41
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	3	1.41
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	3	1.41
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	3	1.41
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	3	1.41
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	3	1.41
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	11	1.41
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	11	1.41
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	4	1.41
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	4	1.41
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	4	1.41
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	4	1.41
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	4	1.41
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	4	1.41
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	16	1.41
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	16	1.41
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	16	1.41
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	16	1.41
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	16	1.41
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	16	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	1	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	1	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	2	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	2	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	3	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	3	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	6	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	6	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	10	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	10	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	12	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	12	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	15	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	15	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	17	1.41
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	17	1.41
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	2	1.41
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	2	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	16	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	16	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	16	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	16	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	16	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	16	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	16	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	16	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	16	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	18	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	18	1.41
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	18	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	18	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	18	1.41
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	18	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	18	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	18	1.41
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	18	1.41
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	1	1.41
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	1	1.41
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	1	1.41
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	12	1.41
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	12	1.41
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	12	1.41
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	6	1.41
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	6	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	6	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	6	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	6	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	6	1.41
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	15	1.41
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	15	1.41
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	15	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	15	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	15	1.41
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	15	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	6	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	6	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	6	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	10	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	10	1.41
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	10	1.41
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	11	1.41
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	11	1.41
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	11	1.41
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	15	1.41
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	15	1.41
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	15	1.41
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	16	1.41
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	16	1.41
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	16	1.41
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	1	1.41
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	1	1.41
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	1	1.41
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	3	1.41
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	3	1.41
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	12	1.4
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	12	1.4
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	12	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD11	15	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD12	15	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD13	15	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD21	15	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD22	15	1.4
(1,2238)	1:226:A:LEU:H	1:226:A:LEU:HD23	15	1.4
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	19	1.4
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	19	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	1	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	1	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	1	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	18	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	18	1.4
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	18	1.4
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	4	1.4
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	4	1.4
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	4	1.4
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	5	1.4
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	5	1.4
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	5	1.4
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	5	1.4
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	5	1.4
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	5	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	2	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	2	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	2	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	7	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	7	1.4
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	7	1.4
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	17	1.4
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	17	1.4
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	17	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	5	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	5	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	5	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	12	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	12	1.4
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	12	1.4
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	5	1.4
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	5	1.4
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	5	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	3	1.4
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	3	1.4
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	3	1.4
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	18	1.4
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	18	1.4
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	18	1.4
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	2	1.4
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	2	1.4
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	2	1.4
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	2	1.4
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	2	1.4
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	2	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	18	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	18	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	18	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	18	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	18	1.4
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	18	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	9	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	9	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	9	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	9	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	9	1.4
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	9	1.4
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	15	1.4
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	15	1.4
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	15	1.4
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	15	1.4
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	15	1.4
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	15	1.4
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	15	1.4
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	15	1.4
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	15	1.4
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	7	1.4
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	7	1.4
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	7	1.4
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	7	1.4
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	7	1.4
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	7	1.4
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	7	1.4
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	7	1.4
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	7	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	9	1.4
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	9	1.4
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	9	1.4
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	9	1.4
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	9	1.4
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	9	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	1	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	1	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	1	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	18	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	18	1.4
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	18	1.4
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	5	1.4
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	5	1.4
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	6	1.4
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	6	1.4
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	16	1.4
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	16	1.4
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	4	1.4
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	10	1.4
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	16	1.4
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	16	1.4
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	10	1.4
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	16	1.4
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	16	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	2	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	2	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	2	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	3	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	3	1.4
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	3	1.4
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	15	1.4
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	15	1.4
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	3	1.4
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	12	1.4
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	12	1.4
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	13	1.4
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	13	1.4
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	18	1.4
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	18	1.4
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	11	1.4
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	11	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	11	1.4
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	4	1.4
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	4	1.4
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	4	1.4
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	19	1.4
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	5	1.4
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	5	1.4
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	5	1.4
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	19	1.4
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	19	1.4
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	19	1.4
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	7	1.4
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	7	1.4
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	7	1.4
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	9	1.4
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	9	1.4
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	9	1.4
(1,1389)	1:132:A:ALA:HB1	1:133:A:ASP:H	2	1.4
(1,1389)	1:132:A:ALA:HB2	1:133:A:ASP:H	2	1.4
(1,1389)	1:132:A:ALA:HB3	1:133:A:ASP:H	2	1.4
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	4	1.4
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	4	1.4
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	4	1.4
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	4	1.4
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	7	1.4
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	7	1.4
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	17	1.4
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	17	1.4
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	20	1.4
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	20	1.4
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	18	1.4
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	5	1.4
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	5	1.4
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	17	1.4
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	17	1.4
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	17	1.4
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	17	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	3	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	3	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	10	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	10	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	13	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	13	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	14	1.4
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	14	1.4
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	5	1.4
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	16	1.4
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	16	1.4
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	1	1.4
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	6	1.4
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	8	1.4
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	8	1.4
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	8	1.4
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	8	1.4
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	8	1.4
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	8	1.4
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	20	1.4
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	18	1.4
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	18	1.4
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	18	1.4
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	12	1.4
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	12	1.4
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	12	1.4
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	12	1.4
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	19	1.4
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	19	1.4
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	19	1.4
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	19	1.4
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	2	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	4	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	4	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	4	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	4	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	4	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	4	1.4
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	4	1.4
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	4	1.4
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	4	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	6	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	6	1.4
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	6	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	6	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	6	1.4
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	6	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	6	1.4
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	6	1.4
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	6	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	9	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	9	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	9	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	9	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	9	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	9	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	11	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	11	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	11	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	11	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	11	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	11	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	14	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	14	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	14	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	14	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	14	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	14	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	19	1.4
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	19	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	19	1.4
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	19	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	19	1.4
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	19	1.4
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	2	1.4
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	2	1.4
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	2	1.4
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	2	1.4
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	7	1.4
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	7	1.4
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	7	1.4
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	7	1.4
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	7	1.4
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	7	1.4
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	7	1.4
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	7	1.4
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	7	1.4
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	1	1.4
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	1	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	1	1.4
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	19	1.4
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	19	1.4
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	19	1.4
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	9	1.4
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	9	1.4
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	9	1.4
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	1	1.4
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	1	1.4
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	7	1.4
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	7	1.4
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	18	1.4
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	18	1.4
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	11	1.4
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	11	1.4
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	9	1.4
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	9	1.4
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	9	1.4
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	9	1.4
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	9	1.4
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	9	1.4
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	14	1.4
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	13	1.4
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	8	1.4
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	8	1.4
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	8	1.4
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	6	1.4
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	6	1.4
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	6	1.4
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	12	1.4
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	12	1.4
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	12	1.4
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	20	1.4
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	20	1.4
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	20	1.4
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	3	1.4
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	7	1.4
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	7	1.4
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	2	1.4
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	16	1.4
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	16	1.4
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	16	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	16	1.4
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	9	1.4
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	9	1.4
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	15	1.4
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	15	1.4
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	13	1.4
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	13	1.4
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	17	1.4
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	17	1.4
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	17	1.4
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	1	1.4
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	1	1.4
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	18	1.4
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	18	1.4
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	20	1.4
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	20	1.4
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	1.4
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	20	1.4
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	20	1.4
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	20	1.4
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	4	1.4
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	4	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	2	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	2	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	2	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	2	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	2	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	2	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	2	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	2	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	2	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	10	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	10	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	10	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	10	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	10	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	10	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	10	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	10	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	10	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	20	1.4
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	20	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	20	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	20	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	20	1.4
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	20	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	20	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	20	1.4
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	20	1.4
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	13	1.4
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	5	1.4
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	5	1.4
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	4	1.4
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	4	1.4
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	2	1.4
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	2	1.4
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	2	1.4
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	17	1.4
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	17	1.4
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	17	1.4
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	12	1.4
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	12	1.4
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	12	1.4
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	12	1.4
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	12	1.4
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	12	1.4
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	11	1.4
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	11	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	9	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	9	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	11	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	11	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	13	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	13	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	14	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	14	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	19	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	19	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	20	1.4
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	20	1.4
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	9	1.4
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	9	1.4
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD11	15	1.4
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD12	15	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:231:A:ILE:HG21	1:231:A:ILE:HD13	15	1.4
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD11	15	1.4
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD12	15	1.4
(1,238)	1:231:A:ILE:HG22	1:231:A:ILE:HD13	15	1.4
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD11	15	1.4
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD12	15	1.4
(1,238)	1:231:A:ILE:HG23	1:231:A:ILE:HD13	15	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	5	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	5	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	5	1.4
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	5	1.4
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	5	1.4
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	5	1.4
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	5	1.4
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	2	1.4
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	2	1.4
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	2	1.4
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	11	1.4
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	11	1.4
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	11	1.4
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	12	1.4
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	12	1.4
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	12	1.4
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	16	1.4
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	16	1.4
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	16	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	8	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	8	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	8	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	8	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	8	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	8	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	16	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	16	1.4
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	16	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	16	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	16	1.4
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	16	1.4
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	1	1.4
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	1	1.4
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	1	1.4
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	18	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG21	5	1.4
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG22	5	1.4
(1,139)	1:231:A:ILE:HA	1:234:A:ILE:HG23	5	1.4
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	1	1.4
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	1	1.4
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	1	1.4
(1,107)	1:103:A:ILE:HG21	1:104:A:THR:HA	18	1.4
(1,107)	1:103:A:ILE:HG22	1:104:A:THR:HA	18	1.4
(1,107)	1:103:A:ILE:HG23	1:104:A:THR:HA	18	1.4
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	12	1.4
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	1.4
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	1.4
(1,86)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	1.4
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB2	10	1.4
(1,15)	1:116:A:TRP:HD1	1:196:A:LEU:HB3	10	1.4
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	6	1.39
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	6	1.39
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	6	1.39
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	12	1.39
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	12	1.39
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	12	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	4	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	4	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	4	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	5	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	5	1.39
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	5	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	17	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	17	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	17	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	17	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	17	1.39
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	17	1.39
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	17	1.39
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	10	1.39
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	10	1.39
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	10	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	1	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	1	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	1	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	3	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	3	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	3	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	4	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	4	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	4	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	5	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	5	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	5	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	6	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	6	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	6	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	8	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	8	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	8	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	9	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	9	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	9	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	11	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	11	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	11	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	13	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	13	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	13	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	14	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	14	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	14	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	16	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	16	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	16	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	17	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	17	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	17	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	19	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	19	1.39
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	19	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	2	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	2	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	2	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	2	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	2	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	2	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	7	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	7	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	7	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	7	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	7	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	7	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	9	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	9	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	9	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	9	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	9	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	9	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	16	1.39
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	16	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	16	1.39
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	16	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	16	1.39
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	16	1.39
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	8	1.39
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	8	1.39
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	8	1.39
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	2	1.39
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	2	1.39
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	8	1.39
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	8	1.39
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	8	1.39
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	14	1.39
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	14	1.39
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	14	1.39
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	14	1.39
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	14	1.39
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	14	1.39
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	14	1.39
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	14	1.39
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	13	1.39
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	13	1.39
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	13	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	6	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	6	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	6	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	6	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	6	1.39
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	6	1.39
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	1	1.39
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	1	1.39
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	1	1.39
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	20	1.39
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	20	1.39
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	20	1.39
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	20	1.39
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	20	1.39
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	20	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	11	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	11	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	11	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	15	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	15	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	15	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	17	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	17	1.39
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	17	1.39
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	11	1.39
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	11	1.39
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	11	1.39
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	11	1.39
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	11	1.39
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	11	1.39
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	11	1.39
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	11	1.39
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	11	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG21	7	1.39
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG22	7	1.39
(1,1857)	1:105:A:VAL:HA	1:105:A:VAL:HG23	7	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	4	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	4	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	4	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	5	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	5	1.39
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	5	1.39
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	19	1.39
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	19	1.39
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	19	1.39
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	19	1.39
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	19	1.39
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	17	1.39
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	17	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	6	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	6	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	6	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	13	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	13	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	13	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	14	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	14	1.39
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	14	1.39
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	6	1.39
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	11	1.39
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	16	1.39
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	1	1.39
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	7	1.39
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	7	1.39
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	14	1.39
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	14	1.39
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	18	1.39
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	18	1.39
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	5	1.39
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	5	1.39
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	10	1.39
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	10	1.39
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	1	1.39
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	1	1.39
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	1	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	16	1.39
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	16	1.39
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	16	1.39
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	12	1.39
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	13	1.39
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	20	1.39
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	9	1.39
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	9	1.39
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	9	1.39
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	9	1.39
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	5	1.39
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	5	1.39
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	5	1.39
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	10	1.39
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	10	1.39
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	1	1.39
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	18	1.39
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	6	1.39
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	6	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	3	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	3	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	3	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	7	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	7	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	7	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	10	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	10	1.39
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	10	1.39
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	8	1.39
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	8	1.39
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	5	1.39
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	11	1.39
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	11	1.39
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	11	1.39
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	3	1.39
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	4	1.39
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	13	1.39
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	15	1.39
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	15	1.39
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	15	1.39
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	2	1.39
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	12	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	6	1.39
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	6	1.39
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	14	1.39
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	14	1.39
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	14	1.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	6	1.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	6	1.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	6	1.39
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	12	1.39
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	12	1.39
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	12	1.39
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	12	1.39
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	9	1.39
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	9	1.39
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	9	1.39
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	9	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	1	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	1	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	4	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	4	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	7	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	7	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	15	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	15	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	16	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	16	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	20	1.39
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	20	1.39
(1,1041)	1:120:A:ILE:HG12	1:122:A:LEU:H	2	1.39
(1,1041)	1:120:A:ILE:HG13	1:122:A:LEU:H	2	1.39
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	18	1.39
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	19	1.39
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	16	1.39
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	8	1.39
(1,907)	1:33:A:ASN:H	1:34:A:SER:H	14	1.39
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	1	1.39
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	1	1.39
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	1	1.39
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	7	1.39
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	7	1.39
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	7	1.39
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	15	1.39
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	15	1.39
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	16	1.39
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	16	1.39
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	16	1.39
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	20	1.39
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	20	1.39
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	20	1.39
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	5	1.39
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	9	1.39
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	9	1.39
(1,770)	1:125:A:ARG:HG3	1:126:A:LYS:H	9	1.39
(1,770)	1:125:A:ARG:HG2	1:126:A:LYS:H	9	1.39
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	6	1.39
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	6	1.39
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	16	1.39
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	16	1.39
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	1	1.39
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	1	1.39
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	1	1.39
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	1	1.39
(1,733)	1:103:A:ILE:HG21	1:104:A:THR:H	9	1.39
(1,733)	1:103:A:ILE:HG22	1:104:A:THR:H	9	1.39
(1,733)	1:103:A:ILE:HG23	1:104:A:THR:H	9	1.39
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	17	1.39
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	4	1.39
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	4	1.39
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	6	1.39
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	6	1.39
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	3	1.39
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	3	1.39
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	3	1.39
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	11	1.39
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	11	1.39
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	2	1.39
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	2	1.39
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	2	1.39
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	2	1.39
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	2	1.39
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	2	1.39
(1,597)	1:97:A:THR:HG21	1:100:A:LEU:H	9	1.39
(1,597)	1:97:A:THR:HG22	1:100:A:LEU:H	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,597)	1:97:A:THR:HG23	1:100:A:LEU:H	9	1.39
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	1	1.39
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	13	1.39
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	13	1.39
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	13	1.39
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	13	1.39
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	13	1.39
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	13	1.39
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	13	1.39
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	13	1.39
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	13	1.39
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	19	1.39
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	19	1.39
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	19	1.39
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	19	1.39
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	19	1.39
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	19	1.39
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	14	1.39
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	14	1.39
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	14	1.39
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	14	1.39
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	7	1.39
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	14	1.39
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	16	1.39
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	19	1.39
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	2	1.39
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	2	1.39
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	3	1.39
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	3	1.39
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	4	1.39
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	4	1.39
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	10	1.39
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	10	1.39
(1,394)	1:113:A:LEU:HA	1:116:A:TRP:HD1	4	1.39
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	12	1.39
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	12	1.39
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	7	1.39
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	7	1.39
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	18	1.39
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	18	1.39
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	9	1.39
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	9	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	9	1.39
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	8	1.39
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	8	1.39
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	14	1.39
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	14	1.39
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	14	1.39
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	14	1.39
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	14	1.39
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	14	1.39
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	9	1.39
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	9	1.39
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	18	1.39
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	18	1.39
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	18	1.39
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	18	1.39
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	18	1.39
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	18	1.39
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	18	1.39
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	18	1.39
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	18	1.39
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	6	1.39
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	10	1.39
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	10	1.39
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	10	1.39
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	10	1.39
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	10	1.39
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	10	1.39
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	9	1.39
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	9	1.39
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	9	1.39
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	9	1.39
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	9	1.39
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	9	1.39
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	9	1.39
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	9	1.39
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	9	1.39
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	5	1.39
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	5	1.39
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	16	1.39
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	16	1.39
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	20	1.39
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	20	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	20	1.39
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	9	1.39
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	9	1.39
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	9	1.39
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	14	1.39
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	14	1.39
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	14	1.39
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	14	1.39
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	14	1.39
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	14	1.39
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	4	1.39
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	4	1.39
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	5	1.39
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	5	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	4	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	4	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	16	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	16	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	18	1.39
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	18	1.39
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	12	1.39
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	12	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	14	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	14	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	14	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	14	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	17	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	17	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	17	1.39
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	17	1.39
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	16	1.39
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	4	1.39
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	4	1.39
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	4	1.39
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	1	1.39
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	1	1.39
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	1	1.39
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	7	1.39
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	7	1.39
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	7	1.39
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	7	1.39
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	7	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	7	1.39
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	11	1.39
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	17	1.39
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	2	1.39
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	7	1.39
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	13	1.39
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	13	1.39
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	2	1.39
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	2	1.39
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	4	1.39
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	4	1.39
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	9	1.39
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	17	1.39
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	7	1.39
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	7	1.39
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	6	1.39
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	6	1.39
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	6	1.39
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	6	1.39
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	11	1.39
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	11	1.39
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	17	1.39
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	17	1.39
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	7	1.38
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	7	1.38
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	7	1.38
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	5	1.38
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	5	1.38
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	5	1.38
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	2	1.38
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	2	1.38
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	2	1.38
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	20	1.38
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	20	1.38
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	20	1.38
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	6	1.38
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	6	1.38
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	6	1.38
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	6	1.38
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	6	1.38
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	6	1.38
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	20	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	20	1.38
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	20	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	12	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	12	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	12	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	18	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	18	1.38
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	18	1.38
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	5	1.38
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	5	1.38
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	5	1.38
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	5	1.38
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	5	1.38
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	5	1.38
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	16	1.38
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	16	1.38
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	16	1.38
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	16	1.38
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	16	1.38
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	16	1.38
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	16	1.38
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	16	1.38
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	16	1.38
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD11	7	1.38
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD12	7	1.38
(1,2055)	1:35:A:LEU:HA	1:39:A:LEU:HD13	7	1.38
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	11	1.38
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	11	1.38
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	11	1.38
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	8	1.38
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	8	1.38
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	8	1.38
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	8	1.38
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	8	1.38
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	8	1.38
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	6	1.38
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	6	1.38
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	6	1.38
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	6	1.38
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	6	1.38
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	6	1.38
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	9	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	9	1.38
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	9	1.38
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	4	1.38
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	4	1.38
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	4	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	9	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	9	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	9	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	16	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	16	1.38
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	16	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	1	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	1	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	1	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	1	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	1	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	1	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	1	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	1	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	1	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	15	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	15	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	15	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	15	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	15	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	15	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	15	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	15	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	15	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	19	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	19	1.38
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	19	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	19	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	19	1.38
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	19	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	19	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	19	1.38
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	19	1.38
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	2	1.38
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	2	1.38
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	2	1.38
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	1	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	1	1.38
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	1	1.38
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	8	1.38
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	8	1.38
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	11	1.38
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	11	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	3	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	3	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	3	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	16	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	16	1.38
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	16	1.38
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	17	1.38
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	14	1.38
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	14	1.38
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	7	1.38
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	12	1.38
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	8	1.38
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	8	1.38
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	2	1.38
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	2	1.38
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	3	1.38
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	3	1.38
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	11	1.38
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	11	1.38
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	14	1.38
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	14	1.38
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	4	1.38
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	4	1.38
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	2	1.38
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	2	1.38
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	3	1.38
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	3	1.38
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	15	1.38
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	18	1.38
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	9	1.38
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	14	1.38
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	18	1.38
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	19	1.38
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	7	1.38
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	7	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	11	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	11	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	19	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	19	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	19	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	20	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	20	1.38
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	20	1.38
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	16	1.38
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	16	1.38
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	16	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	9	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	9	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	9	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	9	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	11	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	11	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	11	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	11	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	15	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	15	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	15	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	15	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	19	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	19	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	19	1.38
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	19	1.38
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	13	1.38
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	3	1.38
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	3	1.38
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	7	1.38
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	7	1.38
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	16	1.38
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	16	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	4	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	4	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	4	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	20	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	20	1.38
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	1.38
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	12	1.38
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	12	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	14	1.38
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	14	1.38
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	10	1.38
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	18	1.38
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	7	1.38
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	7	1.38
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	15	1.38
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	15	1.38
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	15	1.38
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	14	1.38
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	10	1.38
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	10	1.38
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	10	1.38
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	6	1.38
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	12	1.38
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	10	1.38
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	10	1.38
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	10	1.38
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	7	1.38
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	20	1.38
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	3	1.38
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	3	1.38
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	3	1.38
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	3	1.38
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	7	1.38
(1,1222)	1:89:A:VAL:H	1:124:A:PHE:HA	14	1.38
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	2	1.38
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	2	1.38
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	13	1.38
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	13	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	2	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	2	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	11	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	11	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	19	1.38
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	19	1.38
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	15	1.38
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	5	1.38
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	1	1.38
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	8	1.38
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	14	1.38
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	18	1.38
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	5	1.38
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	18	1.38
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	18	1.38
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	16	1.38
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	16	1.38
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	16	1.38
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	16	1.38
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	16	1.38
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	16	1.38
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	4	1.38
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	4	1.38
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	4	1.38
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	6	1.38
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	6	1.38
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	6	1.38
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	12	1.38
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	12	1.38
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	12	1.38
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	4	1.38
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	4	1.38
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	4	1.38
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	4	1.38
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	4	1.38
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	4	1.38
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	4	1.38
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	4	1.38
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	4	1.38
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	12	1.38
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	12	1.38
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	16	1.38
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	16	1.38
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	8	1.38
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	8	1.38
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	8	1.38
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	13	1.38
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	13	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	7	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	7	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	7	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	7	1.38
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	7	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	7	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	8	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	8	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	8	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	8	1.38
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	8	1.38
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	8	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	20	1.38
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	20	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	20	1.38
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	20	1.38
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	20	1.38
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	20	1.38
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	20	1.38
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	20	1.38
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	2	1.38
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	2	1.38
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	2	1.38
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	16	1.38
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	4	1.38
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	6	1.38
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	17	1.38
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	17	1.38
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	19	1.38
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	19	1.38
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	19	1.38
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	19	1.38
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	19	1.38
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	19	1.38
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	19	1.38
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	19	1.38
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	19	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	17	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	17	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	17	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	17	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	19	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	19	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	19	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE1	19	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE2	19	1.38
(1,683)	1:62:A:MET:HG2	1:62:A:MET:HE3	19	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE1	19	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE2	19	1.38
(1,683)	1:62:A:MET:HG3	1:62:A:MET:HE3	19	1.38
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	9	1.38
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	9	1.38
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	9	1.38
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	1	1.38
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	1	1.38
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	1	1.38
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	1	1.38
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	1	1.38
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	1	1.38
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	3	1.38
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	3	1.38
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	3	1.38
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	7	1.38
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	7	1.38
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	7	1.38
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	7	1.38
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	7	1.38
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	7	1.38
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	13	1.38
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	13	1.38
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	13	1.38
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	13	1.38
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	13	1.38
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	13	1.38
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	9	1.38
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	9	1.38
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	19	1.38
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	19	1.38
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	16	1.38
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	9	1.38
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	20	1.38
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	16	1.38
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	16	1.38
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	1	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	10	1.38
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	10	1.38
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	10	1.38
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	6	1.38
(1,404)	1:114:A:ASN:HB2	1:115:A:MET:H	6	1.38
(1,404)	1:114:A:ASN:HB3	1:115:A:MET:H	6	1.38
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	19	1.38
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	7	1.38
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	7	1.38
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	7	1.38
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	7	1.38
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	7	1.38
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	7	1.38
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	3	1.38
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	3	1.38
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	10	1.38
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	10	1.38
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	4	1.38
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	4	1.38
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	14	1.38
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	14	1.38
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	7	1.38
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	7	1.38
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	7	1.38
(1,377)	1:135:A:MET:H	1:135:A:MET:HG2	3	1.38
(1,377)	1:135:A:MET:H	1:135:A:MET:HG3	3	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	6	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	6	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	6	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	6	1.38
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	6	1.38
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	6	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	9	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	9	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	9	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	9	1.38
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	9	1.38
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	9	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	13	1.38
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	13	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	13	1.38
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	13	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	13	1.38
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	13	1.38
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	3	1.38
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	3	1.38
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	6	1.38
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	6	1.38
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	12	1.38
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	12	1.38
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	12	1.38
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	12	1.38
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	14	1.38
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	19	1.38
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	7	1.38
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	7	1.38
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	7	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	17	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	17	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	17	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	17	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	17	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	17	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	17	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	17	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	17	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	18	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	18	1.38
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	18	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	18	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	18	1.38
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	18	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	18	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	18	1.38
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	18	1.38
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	19	1.38
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	19	1.38
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	19	1.38
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	19	1.38
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	19	1.38
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	19	1.38
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	5	1.38
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	5	1.38
(1,289)	1:12:A:TRP:H	1:12:A:TRP:HB2	2	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	3	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	3	1.38
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	3	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	7	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	7	1.38
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	7	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	11	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	11	1.38
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	11	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	16	1.38
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	16	1.38
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	16	1.38
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	7	1.38
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	7	1.38
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB2	5	1.38
(1,245)	1:196:A:LEU:H	1:196:A:LEU:HB3	5	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	10	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	10	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	18	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	18	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	20	1.38
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	20	1.38
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	19	1.38
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	19	1.38
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	19	1.38
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	19	1.38
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	10	1.38
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	11	1.38
(1,230)	1:58:A:VAL:H	1:58:A:VAL:HB	20	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	1	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	1	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	1	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	10	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	10	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	10	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	15	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	15	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	15	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	17	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	17	1.38
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	17	1.38
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	15	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	15	1.38
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	15	1.38
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	7	1.38
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	7	1.38
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	7	1.38
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	11	1.38
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	11	1.38
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	11	1.38
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	11	1.38
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	11	1.38
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	11	1.38
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	2	1.38
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	2	1.38
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	2	1.38
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	2	1.38
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	2	1.38
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	2	1.38
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	5	1.38
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	1	1.38
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	7	1.38
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	7	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	1	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	2	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	3	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	4	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	5	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	6	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	7	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	8	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	10	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	11	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	12	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	13	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	14	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	15	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	16	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	18	1.38
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	20	1.38
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	4	1.38
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	4	1.38
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	1	1.38
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	5	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	7	1.38
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	17	1.38
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	19	1.38
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	5	1.38
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	5	1.38
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	1	1.38
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	1	1.38
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	19	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	14	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	14	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	14	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	15	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	15	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	15	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	10	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	10	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	10	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	11	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	11	1.37
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	11	1.37
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	18	1.37
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	18	1.37
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	18	1.37
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	18	1.37
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	18	1.37
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	18	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	10	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	10	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	10	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	15	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	15	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	15	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG11	20	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG12	20	1.37
(1,2096)	1:109:A:VAL:HA	1:109:A:VAL:HG13	20	1.37
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	4	1.37
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	4	1.37
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	4	1.37
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	4	1.37
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	4	1.37
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	4	1.37
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	4	1.37
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	4	1.37
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	12	1.37
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	12	1.37
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	12	1.37
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	12	1.37
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	12	1.37
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	12	1.37
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	12	1.37
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	12	1.37
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	12	1.37
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	6	1.37
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	6	1.37
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	6	1.37
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	6	1.37
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	6	1.37
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	6	1.37
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	8	1.37
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	8	1.37
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	8	1.37
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	8	1.37
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	8	1.37
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	8	1.37
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	11	1.37
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	11	1.37
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	11	1.37
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	11	1.37
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	11	1.37
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	11	1.37
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	19	1.37
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	19	1.37
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	19	1.37
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	19	1.37
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	19	1.37
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	19	1.37
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	15	1.37
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	15	1.37
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	15	1.37
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	15	1.37
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	15	1.37
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	15	1.37
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	15	1.37
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	15	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	11	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	11	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	11	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	20	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	20	1.37
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	20	1.37
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	15	1.37
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	15	1.37
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	15	1.37
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	19	1.37
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	19	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	9	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	9	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	9	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	16	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	16	1.37
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	16	1.37
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	9	1.37
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	9	1.37
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	9	1.37
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	9	1.37
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	9	1.37
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	9	1.37
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	17	1.37
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	17	1.37
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	17	1.37
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	17	1.37
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	17	1.37
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	17	1.37
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	15	1.37
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	15	1.37
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	10	1.37
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	10	1.37
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	10	1.37
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	15	1.37
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	15	1.37
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	15	1.37
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	15	1.37
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	15	1.37
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	15	1.37
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	15	1.37
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	15	1.37
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	15	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	4	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	4	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	4	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	4	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	4	1.37
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	4	1.37
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	9	1.37
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	9	1.37
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	9	1.37
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	9	1.37
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	9	1.37
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	9	1.37
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	9	1.37
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	9	1.37
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	9	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	1	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	1	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	1	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	1	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	13	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	13	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	13	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	19	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	19	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	19	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	19	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	19	1.37
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	19	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	19	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	19	1.37
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	19	1.37
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG11	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG12	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG13	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD2	5	1.37
(1,1877)	1:88:A:VAL:HG21	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG22	1:125:A:ARG:HD3	5	1.37
(1,1877)	1:88:A:VAL:HG23	1:125:A:ARG:HD3	5	1.37
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	15	1.37
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	15	1.37
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	15	1.37
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	15	1.37
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	15	1.37
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	13	1.37
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	13	1.37
(1,1851)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	13	1.37
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	13	1.37
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	13	1.37
(1,1851)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	13	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	10	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	10	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	10	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	11	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	11	1.37
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	11	1.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	6	1.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	6	1.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	6	1.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	6	1.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	6	1.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	6	1.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	6	1.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	6	1.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	6	1.37
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	19	1.37
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	19	1.37
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	19	1.37
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	8	1.37
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	8	1.37
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	8	1.37
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	8	1.37
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	17	1.37
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	9	1.37
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	14	1.37
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	14	1.37
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	14	1.37
(1,1712)	1:62:A:MET:HB2	1:63:A:GLN:H	19	1.37
(1,1712)	1:62:A:MET:HB3	1:63:A:GLN:H	19	1.37
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	1	1.37
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	8	1.37
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	10	1.37
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	10	1.37
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	6	1.37
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	6	1.37
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	13	1.37
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	13	1.37
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	15	1.37
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	15	1.37
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	18	1.37
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	18	1.37
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	16	1.37
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	16	1.37
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	16	1.37
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	16	1.37
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB2	3	1.37
(1,1651)	1:35:A:LEU:H	1:35:A:LEU:HB3	3	1.37
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	14	1.37
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	10	1.37
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	10	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	14	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	14	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	14	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	19	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	19	1.37
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	19	1.37
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	19	1.37
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	19	1.37
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	19	1.37
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	19	1.37
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.37
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.37
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	20	1.37
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	20	1.37
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	5	1.37
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	3	1.37
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	14	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	9	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	9	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	9	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	13	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	13	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	13	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	14	1.37
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	14	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	14	1.37
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	6	1.37
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	6	1.37
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	8	1.37
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	8	1.37
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	16	1.37
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	16	1.37
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	8	1.37
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	8	1.37
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	8	1.37
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	9	1.37
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	9	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	3	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	3	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	3	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	3	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	16	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	16	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	16	1.37
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	16	1.37
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	16	1.37
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	17	1.37
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	17	1.37
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	17	1.37
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	12	1.37
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	12	1.37
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	12	1.37
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	12	1.37
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	12	1.37
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	4	1.37
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	4	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	10	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	10	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	10	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	14	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	14	1.37
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	14	1.37
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	11	1.37
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	11	1.37
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	13	1.37
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	13	1.37
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	4	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	4	1.37
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	4	1.37
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	2	1.37
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	3	1.37
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	10	1.37
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	13	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	3	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	3	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	4	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	4	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	10	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	10	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	13	1.37
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	13	1.37
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	13	1.37
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	13	1.37
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	13	1.37
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	7	1.37
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	7	1.37
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	7	1.37
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	7	1.37
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	3	1.37
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	3	1.37
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	3	1.37
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	19	1.37
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	19	1.37
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	3	1.37
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	12	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	6	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	6	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	8	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	8	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	9	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	9	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG12	18	1.37
(1,1062)	1:136:A:ILE:H	1:136:A:ILE:HG13	18	1.37
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	20	1.37
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	20	1.37
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	20	1.37
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	19	1.37
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	19	1.37
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	19	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	8	1.37
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	20	1.37
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	5	1.37
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	11	1.37
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	5	1.37
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	5	1.37
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	20	1.37
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	20	1.37
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	20	1.37
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	20	1.37
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	20	1.37
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	20	1.37
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	10	1.37
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	10	1.37
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	10	1.37
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	20	1.37
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	20	1.37
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	20	1.37
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	20	1.37
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	20	1.37
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	20	1.37
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	17	1.37
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	17	1.37
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	17	1.37
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	17	1.37
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	17	1.37
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	17	1.37
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	14	1.37
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	14	1.37
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	14	1.37
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	14	1.37
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	14	1.37
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	14	1.37
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	14	1.37
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	12	1.37
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	12	1.37
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	12	1.37
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	3	1.37
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	3	1.37
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	3	1.37
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	13	1.37
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	13	1.37
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	10	1.37
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	10	1.37
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	10	1.37
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	10	1.37
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	10	1.37
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	10	1.37
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	7	1.37
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	7	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	3	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	3	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	5	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	5	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	14	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	14	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	19	1.37
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	19	1.37
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	3	1.37
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG12	17	1.37
(1,713)	1:93:A:ILE:HG21	1:93:A:ILE:HG13	17	1.37
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG12	17	1.37
(1,713)	1:93:A:ILE:HG22	1:93:A:ILE:HG13	17	1.37
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG12	17	1.37
(1,713)	1:93:A:ILE:HG23	1:93:A:ILE:HG13	17	1.37
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	5	1.37
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	5	1.37
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	5	1.37
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	5	1.37
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	6	1.37
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	6	1.37
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	16	1.37
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	8	1.37
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	8	1.37
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	11	1.37
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	11	1.37
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	7	1.37
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	7	1.37
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	7	1.37
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	7	1.37
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	7	1.37
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	7	1.37
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	7	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	7	1.37
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	7	1.37
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	8	1.37
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	8	1.37
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	8	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	5	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	5	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	5	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	5	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	5	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	5	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	12	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	12	1.37
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	12	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	12	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	12	1.37
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	12	1.37
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	6	1.37
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	6	1.37
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	18	1.37
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	18	1.37
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	2	1.37
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	6	1.37
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	17	1.37
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	17	1.37
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	17	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	2	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	2	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	6	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	6	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	8	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	8	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	9	1.37
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	9	1.37
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	1	1.37
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	1	1.37
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	12	1.37
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	19	1.37
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	10	1.37
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	10	1.37
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	10	1.37
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	13	1.37
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	2	1.37
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	2	1.37
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	5	1.37
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	5	1.37
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	4	1.37
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	4	1.37
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	4	1.37
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	4	1.37
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	4	1.37
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	4	1.37
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	4	1.37
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	4	1.37
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	4	1.37
(1,325)	1:112:A:ALA:HA	1:115:A:MET:HB2	3	1.37
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	5	1.37
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	5	1.37
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	12	1.37
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	12	1.37
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD11	13	1.37
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD12	13	1.37
(1,300)	1:120:A:ILE:HG21	1:120:A:ILE:HD13	13	1.37
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD11	13	1.37
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD12	13	1.37
(1,300)	1:120:A:ILE:HG22	1:120:A:ILE:HD13	13	1.37
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD11	13	1.37
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD12	13	1.37
(1,300)	1:120:A:ILE:HG23	1:120:A:ILE:HD13	13	1.37
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	12	1.37
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	12	1.37
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	4	1.37
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	4	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	1	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	1	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	1	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	13	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	13	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	13	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	15	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	15	1.37
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	15	1.37
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	13	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	13	1.37
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	13	1.37
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	9	1.37
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	9	1.37
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	14	1.37
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	14	1.37
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	14	1.37
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	12	1.37
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	12	1.37
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	12	1.37
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	12	1.37
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	12	1.37
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	12	1.37
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	9	1.37
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	9	1.37
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	9	1.37
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	9	1.37
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	9	1.37
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	9	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	1	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	1	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	1	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	11	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	11	1.37
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	11	1.37
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	13	1.37
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	10	1.37
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	5	1.37
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	5	1.37
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	7	1.37
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	7	1.37
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	7	1.37
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	7	1.37
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	5	1.37
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	5	1.37
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	20	1.37
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	20	1.37
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	18	1.37
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	9	1.36
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	9	1.36
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	9	1.36
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	3	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	3	1.36
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	3	1.36
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	14	1.36
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	14	1.36
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	14	1.36
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	5	1.36
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	5	1.36
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	5	1.36
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	18	1.36
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	18	1.36
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	18	1.36
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	14	1.36
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	14	1.36
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	14	1.36
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	18	1.36
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	18	1.36
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	18	1.36
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	18	1.36
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	18	1.36
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	18	1.36
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	18	1.36
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	18	1.36
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	18	1.36
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	18	1.36
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	18	1.36
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	18	1.36
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	18	1.36
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	18	1.36
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	18	1.36
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	3	1.36
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	3	1.36
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	3	1.36
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	3	1.36
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	3	1.36
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	3	1.36
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	17	1.36
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	17	1.36
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	17	1.36
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	17	1.36
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	17	1.36
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	17	1.36
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	17	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	17	1.36
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	17	1.36
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	12	1.36
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	12	1.36
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	12	1.36
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	12	1.36
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	12	1.36
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	12	1.36
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	17	1.36
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	17	1.36
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	17	1.36
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	14	1.36
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	14	1.36
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	14	1.36
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	3	1.36
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	3	1.36
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	3	1.36
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	14	1.36
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	14	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	12	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	12	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	12	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	15	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	15	1.36
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	15	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	1	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	1	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	1	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	1	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	1	1.36
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	1	1.36
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	3	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	3	1.36
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	3	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	1	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	13	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	13	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	13	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	13	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	13	1.36
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	13	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	18	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	18	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	18	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	18	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	20	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	20	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	20	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.36
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	20	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	20	1.36
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	20	1.36
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	3	1.36
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	3	1.36
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	3	1.36
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	8	1.36
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	8	1.36
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	8	1.36
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	8	1.36
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	8	1.36
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	8	1.36
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	18	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	18	1.36
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	18	1.36
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	3	1.36
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	3	1.36
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	3	1.36
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	3	1.36
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	3	1.36
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	3	1.36
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	17	1.36
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	17	1.36
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	17	1.36
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	17	1.36
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	17	1.36
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	17	1.36
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	17	1.36
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	17	1.36
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	17	1.36
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	16	1.36
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	16	1.36
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	16	1.36
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	14	1.36
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	14	1.36
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	14	1.36
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	14	1.36
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	14	1.36
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	14	1.36
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	14	1.36
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	14	1.36
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	14	1.36
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	14	1.36
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	14	1.36
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	14	1.36
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	14	1.36
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	14	1.36
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	14	1.36
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	14	1.36
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	14	1.36
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	14	1.36
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	8	1.36
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	8	1.36
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	8	1.36
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	10	1.36
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	9	1.36
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	9	1.36
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	17	1.36
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	17	1.36
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	1	1.36
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	1	1.36
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	1	1.36
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	2	1.36
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	1	1.36
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	1	1.36
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	13	1.36
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	13	1.36
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	4	1.36
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	4	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	2	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	2	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	2	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	9	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	9	1.36
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	9	1.36
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	13	1.36
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	13	1.36
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	20	1.36
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	20	1.36
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	6	1.36
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	6	1.36
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	6	1.36
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	7	1.36
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	7	1.36
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	13	1.36
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	13	1.36
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	5	1.36
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	17	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	4	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	4	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	5	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	5	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	13	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	13	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	20	1.36
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	20	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	13	1.36
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	13	1.36
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	13	1.36
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	13	1.36
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	2	1.36
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	14	1.36
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	17	1.36
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	15	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	13	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	13	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	13	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	19	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	19	1.36
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	19	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	6	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	6	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	6	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	14	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	14	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	14	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	16	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	16	1.36
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	16	1.36
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	10	1.36
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	10	1.36
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	11	1.36
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	11	1.36
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	12	1.36
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	4	1.36
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	4	1.36
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	17	1.36
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	15	1.36
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	1	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	8	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	8	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	8	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	9	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	9	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	9	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	17	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	17	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	17	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	20	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	20	1.36
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	20	1.36
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	11	1.36
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	14	1.36
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	19	1.36
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	2	1.36
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	2	1.36
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	8	1.36
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	8	1.36
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	1	1.36
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	1	1.36
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	1	1.36
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	15	1.36
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	15	1.36
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	15	1.36
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	6	1.36
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	6	1.36
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	6	1.36
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	5	1.36
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	17	1.36
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	17	1.36
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	20	1.36
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	19	1.36
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	7	1.36
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	7	1.36
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB2	6	1.36
(1,842)	1:210:A:ALA:HB1	1:213:A:TYR:HB3	6	1.36
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB2	6	1.36
(1,842)	1:210:A:ALA:HB2	1:213:A:TYR:HB3	6	1.36
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB2	6	1.36
(1,842)	1:210:A:ALA:HB3	1:213:A:TYR:HB3	6	1.36
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	19	1.36
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	19	1.36
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	19	1.36
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	19	1.36
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	19	1.36
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	19	1.36
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	8	1.36
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	8	1.36
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	8	1.36
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	8	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	8	1.36
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	8	1.36
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	10	1.36
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	10	1.36
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	10	1.36
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	7	1.36
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	7	1.36
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	7	1.36
(1,813)	1:191:A:ALA:HB1	1:192:A:ALA:H	11	1.36
(1,813)	1:191:A:ALA:HB2	1:192:A:ALA:H	11	1.36
(1,813)	1:191:A:ALA:HB3	1:192:A:ALA:H	11	1.36
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	2	1.36
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	2	1.36
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	2	1.36
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	2	1.36
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	2	1.36
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	3	1.36
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	3	1.36
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	4	1.36
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	4	1.36
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	10	1.36
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	10	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	1	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	1	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	2	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	2	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	4	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	4	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	6	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	6	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	7	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	7	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	8	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	8	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	9	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	9	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	10	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	10	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	11	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	11	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	12	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	12	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	13	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	13	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	15	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	15	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	16	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	16	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	17	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	17	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	18	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	18	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	1.36
(1,748)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	1.36
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	19	1.36
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	19	1.36
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	19	1.36
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	7	1.36
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	7	1.36
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	7	1.36
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	16	1.36
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	16	1.36
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	4	1.36
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	4	1.36
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	4	1.36
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	4	1.36
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	4	1.36
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	4	1.36
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	4	1.36
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	4	1.36
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	4	1.36
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	11	1.36
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	18	1.36
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	5	1.36
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	10	1.36
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	10	1.36
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	10	1.36
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	13	1.36
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	13	1.36
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	13	1.36
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	13	1.36
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	13	1.36
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	13	1.36
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	7	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	7	1.36
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	7	1.36
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	7	1.36
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	13	1.36
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	13	1.36
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	20	1.36
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	20	1.36
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	7	1.36
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	7	1.36
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	7	1.36
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	7	1.36
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	7	1.36
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	7	1.36
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	11	1.36
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	11	1.36
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	11	1.36
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	11	1.36
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	11	1.36
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	11	1.36
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	7	1.36
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	7	1.36
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	7	1.36
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	10	1.36
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	10	1.36
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	10	1.36
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	15	1.36
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	15	1.36
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	15	1.36
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	15	1.36
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	15	1.36
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	15	1.36
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	7	1.36
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	15	1.36
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	7	1.36
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	7	1.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	12	1.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	12	1.36
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	12	1.36
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	11	1.36
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	11	1.36
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	11	1.36
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	10	1.36
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	10	1.36
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	10	1.36
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	10	1.36
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	2	1.36
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	2	1.36
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	13	1.36
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	13	1.36
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	18	1.36
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	11	1.36
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	11	1.36
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	13	1.36
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	13	1.36
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	15	1.36
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	15	1.36
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	14	1.36
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	14	1.36
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	14	1.36
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	14	1.36
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	14	1.36
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	14	1.36
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	14	1.36
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	14	1.36
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	14	1.36
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	15	1.36
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	15	1.36
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	7	1.36
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	7	1.36
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	7	1.36
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	7	1.36
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	7	1.36
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	7	1.36
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	9	1.36
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	14	1.36
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	14	1.36
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	14	1.36
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	14	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	14	1.36
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	14	1.36
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	2	1.36
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	2	1.36
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	2	1.36
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	2	1.36
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	1	1.36
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	1	1.36
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	1	1.36
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	15	1.36
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	15	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	13	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	13	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	13	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	13	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	18	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	18	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	18	1.36
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	18	1.36
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB1	9	1.36
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB2	9	1.36
(1,221)	1:4:A:ALA:H	1:4:A:ALA:HB3	9	1.36
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	2	1.36
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	19	1.36
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	19	1.36
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	19	1.36
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	19	1.36
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	19	1.36
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	19	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	11	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	11	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	11	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	15	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	15	1.36
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	15	1.36
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	14	1.36
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	14	1.36
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	14	1.36
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	14	1.36
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	14	1.36
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	14	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	19	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	19	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	20	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	20	1.36
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	20	1.36
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	7	1.36
(1,132)	1:86:A:SER:H	1:86:A:SER:HB3	12	1.36
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	8	1.36
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	1	1.36
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	7	1.36
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	7	1.36
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	2	1.36
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	2	1.36
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	2	1.36
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	2	1.36
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	15	1.36
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	15	1.36
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	18	1.36
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	18	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	2	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	2	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	7	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	7	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	20	1.36
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	20	1.36
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	20	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	5	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	5	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	5	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	20	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	20	1.35
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	20	1.35
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	20	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	20	1.35
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	20	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	17	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	17	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	17	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	17	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	17	1.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	17	1.35
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	17	1.35
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	17	1.35
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	17	1.35
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	12	1.35
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	12	1.35
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	12	1.35
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	16	1.35
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	16	1.35
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	16	1.35
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	6	1.35
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	6	1.35
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	6	1.35
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	6	1.35
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	6	1.35
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	6	1.35
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	20	1.35
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	20	1.35
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	20	1.35
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	20	1.35
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	20	1.35
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	20	1.35
(1,2085)	1:100:A:LEU:HD21	1:179:A:THR:HA	8	1.35
(1,2085)	1:100:A:LEU:HD22	1:179:A:THR:HA	8	1.35
(1,2085)	1:100:A:LEU:HD23	1:179:A:THR:HA	8	1.35
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	19	1.35
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	19	1.35
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	19	1.35
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	19	1.35
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	19	1.35
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	19	1.35
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	19	1.35
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	19	1.35
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	19	1.35
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG12	12	1.35
(1,2076)	1:89:A:VAL:HA	1:89:A:VAL:HG13	12	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	1	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	1	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	1	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	1	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	1	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	1	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	4	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	4	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	4	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	4	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	4	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	4	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	15	1.35
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	15	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	15	1.35
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	15	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	15	1.35
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	15	1.35
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	11	1.35
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	11	1.35
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	11	1.35
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	11	1.35
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	11	1.35
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	11	1.35
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	11	1.35
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	11	1.35
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	11	1.35
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	9	1.35
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	9	1.35
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	9	1.35
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	10	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	10	1.35
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	10	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	6	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	6	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	6	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	6	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	6	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	6	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	10	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	10	1.35
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	10	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	10	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	10	1.35
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	10	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	8	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	8	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	8	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	8	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	8	1.35
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	8	1.35
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	17	1.35
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	17	1.35
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	17	1.35
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	4	1.35
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	4	1.35
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	4	1.35
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	4	1.35
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	4	1.35
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	4	1.35
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	4	1.35
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	4	1.35
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	4	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	3	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	3	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	3	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	3	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	16	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	16	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	16	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	16	1.35
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	16	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	16	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	16	1.35
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	16	1.35
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	18	1.35
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	18	1.35
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	18	1.35
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	17	1.35
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	17	1.35
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	17	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	2	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	2	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	2	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	2	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	2	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	2	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	4	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	4	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	4	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	4	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	4	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	4	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	5	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	5	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	5	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	5	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	5	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	5	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	10	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	10	1.35
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	10	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	10	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	10	1.35
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	10	1.35
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	5	1.35
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	5	1.35
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	5	1.35
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	14	1.35
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	14	1.35
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	14	1.35
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	14	1.35
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	14	1.35
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	20	1.35
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	20	1.35
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	18	1.35
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	18	1.35
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	18	1.35
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	18	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	1	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	1	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	2	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	2	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	7	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	7	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	8	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	8	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	11	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	11	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	12	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	12	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	13	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	13	1.35
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	14	1.35
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	14	1.35
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	10	1.35
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	10	1.35
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	19	1.35
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	19	1.35
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	3	1.35
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	3	1.35
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	5	1.35
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	19	1.35
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	5	1.35
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	18	1.35
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	19	1.35
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	5	1.35
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	5	1.35
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	19	1.35
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	7	1.35
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	7	1.35
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	7	1.35
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	11	1.35
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	11	1.35
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	11	1.35
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	11	1.35
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	13	1.35
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	13	1.35
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	13	1.35
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	13	1.35
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	11	1.35
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	11	1.35
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	11	1.35
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	15	1.35
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	15	1.35
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	15	1.35
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	15	1.35
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	7	1.35
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	11	1.35
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	15	1.35
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	1	1.35
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	6	1.35
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	13	1.35
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	1	1.35
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	1	1.35
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	3	1.35
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	3	1.35
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG12	12	1.35
(1,1585)	1:231:A:ILE:H	1:231:A:ILE:HG13	12	1.35
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	3	1.35
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	3	1.35
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	3	1.35
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	15	1.35
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	20	1.35
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	11	1.35
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	18	1.35
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	15	1.35
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	15	1.35
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	15	1.35
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	18	1.35
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	18	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	18	1.35
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	18	1.35
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	18	1.35
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	18	1.35
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	5	1.35
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	5	1.35
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	5	1.35
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	7	1.35
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	7	1.35
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	7	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	1	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	1	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	2	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	2	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	7	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	7	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	9	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	9	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	20	1.35
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	20	1.35
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	13	1.35
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	13	1.35
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	9	1.35
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	6	1.35
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	6	1.35
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	15	1.35
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	15	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	1	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	1	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	1	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	7	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	7	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	7	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	11	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	11	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	11	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	13	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	13	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	13	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	16	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	16	1.35
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	16	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	5	1.35
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	12	1.35
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	16	1.35
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	17	1.35
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	18	1.35
(1,1282)	1:105:A:VAL:H	1:105:A:VAL:HB	7	1.35
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	10	1.35
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	15	1.35
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	15	1.35
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	6	1.35
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	6	1.35
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	6	1.35
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	15	1.35
(1,1200)	1:93:A:ILE:HG21	1:95:A:SER:H	3	1.35
(1,1200)	1:93:A:ILE:HG22	1:95:A:SER:H	3	1.35
(1,1200)	1:93:A:ILE:HG23	1:95:A:SER:H	3	1.35
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	1	1.35
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	2	1.35
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	20	1.35
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	10	1.35
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	10	1.35
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	10	1.35
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	8	1.35
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	16	1.35
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	4	1.35
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	5	1.35
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	6	1.35
(1,875)	1:83:A:LYS:HD2	1:237:A:LEU:HG	13	1.35
(1,875)	1:83:A:LYS:HD3	1:237:A:LEU:HG	13	1.35
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	7	1.35
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	7	1.35
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	7	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	7	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	7	1.35
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	7	1.35
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	9	1.35
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	9	1.35
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	9	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	9	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	9	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	9	1.35
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	15	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	15	1.35
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	15	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	15	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	15	1.35
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	15	1.35
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	4	1.35
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	4	1.35
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	4	1.35
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	9	1.35
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	9	1.35
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	9	1.35
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	15	1.35
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	2	1.35
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	20	1.35
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	20	1.35
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	20	1.35
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	20	1.35
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	20	1.35
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	20	1.35
(1,749)	1:114:A:ASN:HB2	1:115:A:MET:H	6	1.35
(1,749)	1:114:A:ASN:HB3	1:115:A:MET:H	6	1.35
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	9	1.35
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	9	1.35
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	9	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	6	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	6	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	6	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	16	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	16	1.35
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	16	1.35
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	3	1.35
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	11	1.35
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	11	1.35
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	11	1.35
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	11	1.35
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	2	1.35
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	12	1.35
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	14	1.35
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	9	1.35
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	9	1.35
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	9	1.35
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	9	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	9	1.35
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	9	1.35
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	12	1.35
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	12	1.35
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	15	1.35
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	20	1.35
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	14	1.35
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	10	1.35
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	10	1.35
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	10	1.35
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	4	1.35
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	15	1.35
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	19	1.35
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	19	1.35
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	19	1.35
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB2	9	1.35
(1,390)	1:222:A:GLN:H	1:222:A:GLN:HB3	9	1.35
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	15	1.35
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	15	1.35
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	16	1.35
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	16	1.35
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	18	1.35
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	18	1.35
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	16	1.35
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	16	1.35
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	17	1.35
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	17	1.35
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	18	1.35
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	18	1.35
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	18	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	7	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	8	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	9	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	11	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	14	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	15	1.35
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	20	1.35
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	20	1.35
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	20	1.35
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	7	1.35
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	7	1.35
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	14	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	14	1.35
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	19	1.35
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	19	1.35
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	1.35
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	8	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	8	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	8	1.35
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	8	1.35
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	8	1.35
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	8	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	8	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	8	1.35
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	8	1.35
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	4	1.35
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	4	1.35
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	4	1.35
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	1	1.35
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	1	1.35
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	16	1.35
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	16	1.35
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	10	1.35
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	10	1.35
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	10	1.35
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	10	1.35
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	10	1.35
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	10	1.35
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	17	1.35
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	17	1.35
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	17	1.35
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	19	1.35
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	19	1.35
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	19	1.35
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	18	1.35
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	18	1.35
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	20	1.35
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	20	1.35
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	20	1.35
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	20	1.35
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	3	1.35
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	3	1.35
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	3	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	3	1.35
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	3	1.35
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	3	1.35
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	15	1.35
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	15	1.35
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	15	1.35
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	16	1.35
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	16	1.35
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	10	1.35
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	10	1.35
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	6	1.35
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	6	1.35
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	6	1.35
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	6	1.35
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	17	1.35
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	12	1.35
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	12	1.35
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	3	1.35
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	3	1.35
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	3	1.35
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	3	1.35
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	10	1.35
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	10	1.35
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	10	1.35
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	10	1.35
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	18	1.35
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	18	1.35
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	5	1.34
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	5	1.34
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	5	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	13	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	13	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	13	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	16	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	16	1.34
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	16	1.34
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	1	1.34
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	1	1.34
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	1	1.34
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	15	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	15	1.34
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	15	1.34
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	8	1.34
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	8	1.34
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	8	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	2	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	2	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	2	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	5	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	5	1.34
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	5	1.34
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	16	1.34
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	16	1.34
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	16	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	5	1.34
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	5	1.34
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	5	1.34
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	5	1.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	6	1.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	6	1.34
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	6	1.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	6	1.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	6	1.34
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	6	1.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	6	1.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	6	1.34
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	14	1.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	14	1.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	14	1.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	14	1.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	14	1.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	14	1.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	14	1.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	14	1.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	14	1.34
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	8	1.34
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	8	1.34
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	8	1.34
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	8	1.34
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	8	1.34
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	8	1.34
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	8	1.34
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	8	1.34
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	8	1.34
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	8	1.34
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	8	1.34
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	8	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	5	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	15	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	15	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	18	1.34
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	18	1.34
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	1	1.34
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	1	1.34
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	1	1.34
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	1	1.34
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	1	1.34
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	1	1.34
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	14	1.34
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	14	1.34
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	14	1.34
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	14	1.34
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	14	1.34
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	14	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	12	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	12	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	12	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	12	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	12	1.34
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	12	1.34
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	2	1.34
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	2	1.34
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	2	1.34
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	2	1.34
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	2	1.34
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	2	1.34
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	2	1.34
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	2	1.34
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	2	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	9	1.34
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	9	1.34
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	9	1.34
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	9	1.34
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	9	1.34
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	9	1.34
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	9	1.34
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	9	1.34
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	9	1.34
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	7	1.34
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	7	1.34
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	7	1.34
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	15	1.34
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	15	1.34
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	15	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	5	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	5	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	5	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	5	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	8	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	8	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	8	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	8	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	8	1.34
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	8	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	8	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	8	1.34
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	8	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	4	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	4	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	4	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	9	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	9	1.34
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	9	1.34
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	14	1.34
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	14	1.34
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	14	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	14	1.34
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	14	1.34
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	14	1.34
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	14	1.34
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	14	1.34
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	14	1.34
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	8	1.34
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	8	1.34
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	8	1.34
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	7	1.34
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	7	1.34
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	7	1.34
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	7	1.34
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	7	1.34
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	7	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	2	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	2	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	2	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	2	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	2	1.34
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	2	1.34
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	11	1.34
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	11	1.34
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	11	1.34
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	4	1.34
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	4	1.34
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	6	1.34
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	6	1.34
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	10	1.34
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	10	1.34
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	16	1.34
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	16	1.34
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	20	1.34
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	20	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	8	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	8	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	8	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	15	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	15	1.34
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	15	1.34
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	15	1.34
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	14	1.34
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	17	1.34
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	19	1.34
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	19	1.34
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	4	1.34
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	17	1.34
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	4	1.34
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	4	1.34
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	7	1.34
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	7	1.34
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	12	1.34
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	12	1.34
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	6	1.34
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	6	1.34
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	6	1.34
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	6	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	17	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	17	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	17	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	18	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	18	1.34
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	18	1.34
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	14	1.34
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	14	1.34
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	7	1.34
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	1	1.34
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	2	1.34
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	5	1.34
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	8	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	5	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	11	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	12	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	16	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	17	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	18	1.34
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	20	1.34
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	18	1.34
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	18	1.34
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	17	1.34
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	17	1.34
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	17	1.34
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	17	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	18	1.34
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	18	1.34
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	18	1.34
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	2	1.34
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	4	1.34
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	10	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	2	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	2	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	15	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	15	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	18	1.34
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	18	1.34
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	8	1.34
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	8	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	14	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	14	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	14	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	17	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	17	1.34
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	17	1.34
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	2	1.34
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	2	1.34
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	20	1.34
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	20	1.34
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	8	1.34
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	8	1.34
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	8	1.34
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	8	1.34
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	10	1.34
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	4	1.34
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	16	1.34
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	16	1.34
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	16	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	1	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	1	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	1	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	19	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	19	1.34
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	19	1.34
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	18	1.34
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	18	1.34
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	18	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	6	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	6	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	14	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	14	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	19	1.34
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	19	1.34
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	14	1.34
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	2	1.34
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	2	1.34
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	5	1.34
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	9	1.34
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	17	1.34
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	20	1.34
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	20	1.34
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	1	1.34
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	8	1.34
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	15	1.34
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	8	1.34
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	19	1.34
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	14	1.34
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	14	1.34
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	14	1.34
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	7	1.34
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	7	1.34
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	7	1.34
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	14	1.34
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	6	1.34
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	3	1.34
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	8	1.34
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	16	1.34
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	17	1.34
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	19	1.34
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	20	1.34
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	20	1.34
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	9	1.34
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	6	1.34
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	6	1.34
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	6	1.34
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	6	1.34
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	6	1.34
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	5	1.34
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	5	1.34
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	5	1.34
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	5	1.34
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	5	1.34
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	5	1.34
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	10	1.34
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	10	1.34
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	10	1.34
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	10	1.34
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	10	1.34
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	10	1.34
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	10	1.34
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	10	1.34
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	10	1.34
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	10	1.34
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	4	1.34
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	14	1.34
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	18	1.34
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	10	1.34
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	18	1.34
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	18	1.34
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	18	1.34
(1,728)	1:102:A:HIS:HA	1:105:A:VAL:HB	7	1.34
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	13	1.34
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	13	1.34
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	13	1.34
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	14	1.34
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	14	1.34
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	14	1.34
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	3	1.34
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	3	1.34
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	3	1.34
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	4	1.34
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	10	1.34
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	10	1.34
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	19	1.34
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	19	1.34
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	18	1.34
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	18	1.34
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	18	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	4	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	4	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	4	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	5	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	5	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	5	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	20	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	20	1.34
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	20	1.34
(1,653)	1:45:A:PHE:HB2	1:46:A:PHE:H	12	1.34
(1,653)	1:45:A:PHE:HB3	1:46:A:PHE:H	12	1.34
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	2	1.34
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	2	1.34
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	2	1.34
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	15	1.34
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	15	1.34
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	5	1.34
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	5	1.34
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	5	1.34
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	7	1.34
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	7	1.34
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	4	1.34
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	4	1.34
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	4	1.34
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	4	1.34
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	4	1.34
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	4	1.34
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	18	1.34
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	18	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	12	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	12	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	13	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	13	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	1.34
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	1.34
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	1	1.34
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	1	1.34
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	1	1.34
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	1	1.34
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	13	1.34
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	13	1.34
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	13	1.34
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	5	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	5	1.34
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	5	1.34
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	3	1.34
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	3	1.34
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	3	1.34
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	20	1.34
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	5	1.34
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	12	1.34
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	12	1.34
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	12	1.34
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	12	1.34
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	12	1.34
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	12	1.34
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	12	1.34
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	12	1.34
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	17	1.34
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	17	1.34
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	17	1.34
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	17	1.34
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	20	1.34
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	20	1.34
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	20	1.34
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	20	1.34
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	4	1.34
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	4	1.34
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	16	1.34
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	16	1.34
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	18	1.34
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	18	1.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	2	1.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	2	1.34
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	4	1.34
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	4	1.34
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	17	1.34
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	17	1.34
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	4	1.34
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	4	1.34
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	8	1.34
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	8	1.34
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	8	1.34
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	16	1.34
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	16	1.34
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	18	1.34
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	18	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	6	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	6	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	6	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	6	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	10	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	10	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	10	1.34
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	10	1.34
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD11	20	1.34
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD12	20	1.34
(1,274)	1:59:A:ILE:HG21	1:59:A:ILE:HD13	20	1.34
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD11	20	1.34
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD12	20	1.34
(1,274)	1:59:A:ILE:HG22	1:59:A:ILE:HD13	20	1.34
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD11	20	1.34
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD12	20	1.34
(1,274)	1:59:A:ILE:HG23	1:59:A:ILE:HD13	20	1.34
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	10	1.34
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	10	1.34
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	10	1.34
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	10	1.34
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	10	1.34
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	10	1.34
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	18	1.34
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	18	1.34
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	18	1.34
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	18	1.34
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	13	1.34
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	13	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	13	1.34
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	13	1.34
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	13	1.34
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	13	1.34
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	14	1.34
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	14	1.34
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	14	1.34
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	4	1.34
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	4	1.34
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	4	1.34
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	12	1.34
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	12	1.34
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	12	1.34
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	8	1.34
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	8	1.34
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	13	1.34
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	13	1.34
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	18	1.34
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	18	1.34
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	18	1.34
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	1	1.34
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	1	1.34
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	1	1.34
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	5	1.34
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	5	1.34
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	17	1.34
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	5	1.34
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	10	1.34
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	11	1.34
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	3	1.34
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	5	1.34
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	5	1.34
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	10	1.33
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	10	1.33
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	10	1.33
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	13	1.33
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	13	1.33
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	13	1.33
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	7	1.33
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	7	1.33
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	7	1.33
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	4	1.33
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	4	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	4	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	4	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	4	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	4	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	4	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	4	1.33
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	6	1.33
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	6	1.33
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	6	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	6	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	6	1.33
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	6	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	6	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	6	1.33
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	6	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	10	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	15	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	15	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	15	1.33
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	15	1.33
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	5	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	5	1.33
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	5	1.33
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	5	1.33
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	5	1.33
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	5	1.33
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	16	1.33
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	16	1.33
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	16	1.33
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	16	1.33
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	16	1.33
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	16	1.33
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	6	1.33
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	6	1.33
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	6	1.33
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	6	1.33
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	6	1.33
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	6	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	4	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	4	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	4	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	4	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	4	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	4	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	10	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	10	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	10	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	10	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	10	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	10	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	15	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	15	1.33
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	15	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	15	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	15	1.33
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	15	1.33
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	17	1.33
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	17	1.33
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	17	1.33
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	16	1.33
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	20	1.33
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	20	1.33
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	9	1.33
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	9	1.33
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	9	1.33
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	13	1.33
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	13	1.33
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	13	1.33
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	13	1.33
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	13	1.33
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	13	1.33
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	13	1.33
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	13	1.33
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	13	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	10	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	10	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	10	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	10	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	12	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	12	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	12	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	12	1.33
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	12	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	12	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	12	1.33
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	12	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	2	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	2	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	2	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	2	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	9	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	9	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	9	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	9	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	9	1.33
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	9	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	9	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	9	1.33
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	9	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	9	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	9	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	9	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	9	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	9	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	9	1.33
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	9	1.33
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	9	1.33
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	9	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	12	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	12	1.33
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	12	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	12	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	12	1.33
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	12	1.33
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	12	1.33
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	12	1.33
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	11	1.33
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	11	1.33
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	11	1.33
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	19	1.33
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	19	1.33
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	19	1.33
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	19	1.33
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	19	1.33
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	19	1.33
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	19	1.33
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	19	1.33
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	19	1.33
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	11	1.33
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	11	1.33
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	11	1.33
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	1	1.33
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	1	1.33
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	1	1.33
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	14	1.33
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	14	1.33
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	14	1.33
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	14	1.33
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	3	1.33
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	3	1.33
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	15	1.33
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	15	1.33
(1,1746)	1:214:A:PRO:HG2	1:215:A:THR:H	18	1.33
(1,1746)	1:214:A:PRO:HG3	1:215:A:THR:H	18	1.33
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	7	1.33
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	7	1.33
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	9	1.33
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	9	1.33
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	12	1.33
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	12	1.33
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	12	1.33
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	9	1.33
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	17	1.33
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	8	1.33
(1,1697)	1:55:A:ASN:H	1:58:A:VAL:HB	3	1.33
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	11	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	11	1.33
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	5	1.33
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	5	1.33
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	20	1.33
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	20	1.33
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	7	1.33
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	7	1.33
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	20	1.33
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	20	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	1	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	1	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	3	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	3	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	5	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	5	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	10	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	10	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	12	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	12	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	14	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	14	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	15	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	15	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	16	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	16	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	17	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	17	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	19	1.33
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	19	1.33
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	3	1.33
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	3	1.33
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	3	1.33
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	3	1.33
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	4	1.33
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	4	1.33
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	4	1.33
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	4	1.33
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	10	1.33
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	4	1.33
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	10	1.33
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	17	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	2	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	4	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	7	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	8	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	10	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	15	1.33
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	19	1.33
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	4	1.33
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	4	1.33
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	18	1.33
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	18	1.33
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	14	1.33
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	18	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	3	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	3	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	7	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	7	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	9	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	9	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	11	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	11	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	14	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	14	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	19	1.33
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	19	1.33
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	2	1.33
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	2	1.33
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	2	1.33
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	3	1.33
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	3	1.33
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	3	1.33
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	1	1.33
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	1	1.33
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	12	1.33
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	2	1.33
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	19	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	3	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	3	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	3	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	12	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	12	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	12	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	14	1.33
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	14	1.33
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	20	1.33
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	20	1.33
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	20	1.33
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	12	1.33
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	12	1.33
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	16	1.33
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	16	1.33
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	10	1.33
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	10	1.33
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	10	1.33
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	2	1.33
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	2	1.33
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	2	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	2	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	6	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	13	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	18	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	19	1.33
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	20	1.33
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	7	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	2	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	2	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	2	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	5	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	5	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	5	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	6	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	6	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	6	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	12	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	12	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	12	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	18	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	18	1.33
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	18	1.33
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	13	1.33
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	13	1.33
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	13	1.33
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	20	1.33
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	20	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	7	1.33
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	7	1.33
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	7	1.33
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	7	1.33
(1,1217)	1:87:A:LYS:H	1:88:A:VAL:H	20	1.33
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	10	1.33
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	10	1.33
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	12	1.33
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	12	1.33
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	11	1.33
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	1	1.33
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	8	1.33
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	20	1.33
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	6	1.33
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	9	1.33
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	17	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	1	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	2	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	10	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	11	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	13	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	18	1.33
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	20	1.33
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	4	1.33
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	4	1.33
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	4	1.33
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	4	1.33
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	2	1.33
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	2	1.33
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	2	1.33
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	2	1.33
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	2	1.33
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	2	1.33
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	2	1.33
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	2	1.33
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	2	1.33
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	2	1.33
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	2	1.33
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	2	1.33
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	9	1.33
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	9	1.33
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	9	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	9	1.33
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	9	1.33
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	9	1.33
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	17	1.33
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	17	1.33
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	17	1.33
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	3	1.33
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	3	1.33
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	3	1.33
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	3	1.33
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	3	1.33
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	3	1.33
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	3	1.33
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	3	1.33
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	3	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	1	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	2	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	5	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	7	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	10	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	12	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	13	1.33
(1,775)	1:127:A:VAL:HB	1:128:A:VAL:H	16	1.33
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	14	1.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	7	1.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	7	1.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	7	1.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	7	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	2	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	2	1.33
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	2	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	3	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	3	1.33
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	3	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	5	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	5	1.33
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	5	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	6	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	6	1.33
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	6	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	10	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	10	1.33
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	12	1.33
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	12	1.33
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	12	1.33
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	10	1.33
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	10	1.33
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	10	1.33
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	10	1.33
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	10	1.33
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	10	1.33
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	16	1.33
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	16	1.33
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	9	1.33
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	9	1.33
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	9	1.33
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	12	1.33
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	17	1.33
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	17	1.33
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	17	1.33
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	9	1.33
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	9	1.33
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	9	1.33
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	9	1.33
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	9	1.33
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	9	1.33
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	17	1.33
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	17	1.33
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	17	1.33
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	17	1.33
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	17	1.33
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	17	1.33
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	6	1.33
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	6	1.33
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	6	1.33
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	14	1.33
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	14	1.33
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	20	1.33
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	20	1.33
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	20	1.33
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	3	1.33
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	10	1.33
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	3	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	8	1.33
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	11	1.33
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	11	1.33
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	16	1.33
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	3	1.33
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	3	1.33
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	9	1.33
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	9	1.33
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	1	1.33
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	1	1.33
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	3	1.33
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	3	1.33
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	4	1.33
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	4	1.33
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	4	1.33
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	3	1.33
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	3	1.33
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	3	1.33
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	3	1.33
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	3	1.33
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	3	1.33
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	3	1.33
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	2	1.33
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	2	1.33
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	17	1.33
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	17	1.33
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	17	1.33
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	17	1.33
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	20	1.33
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	20	1.33
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	20	1.33
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	20	1.33
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	14	1.33
(1,265)	1:122:A:LEU:HB2	1:123:A:HIS:H	14	1.33
(1,265)	1:122:A:LEU:HB3	1:123:A:HIS:H	14	1.33
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	7	1.33
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	7	1.33
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	7	1.33
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	7	1.33
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	7	1.33
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	7	1.33
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	3	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	3	1.33
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	3	1.33
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	18	1.33
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	18	1.33
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	18	1.33
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	2	1.33
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	2	1.33
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	2	1.33
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	2	1.33
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	4	1.33
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	4	1.33
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	4	1.33
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	4	1.33
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	4	1.33
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	4	1.33
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	9	1.33
(1,132)	1:86:A:SER:H	1:86:A:SER:HB3	9	1.33
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	3	1.33
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	11	1.33
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	13	1.33
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	6	1.33
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	6	1.33
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	15	1.33
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	15	1.33
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	10	1.33
(1,47)	1:67:A:CYS:HB2	1:204:A:HIS:HE1	2	1.33
(1,47)	1:67:A:CYS:HB3	1:204:A:HIS:HE1	2	1.33
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	4	1.33
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	4	1.33
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	4	1.33
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	4	1.33
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	4	1.33
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	4	1.33
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	6	1.33
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	6	1.33
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	6	1.33
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	6	1.33
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	6	1.33
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	6	1.33
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	6	1.32
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	6	1.32
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	15	1.32
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	15	1.32
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	15	1.32
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	2	1.32
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	2	1.32
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	2	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	6	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	6	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	6	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	17	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	17	1.32
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	17	1.32
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	2	1.32
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	8	1.32
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	8	1.32
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	15	1.32
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	15	1.32
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	15	1.32
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	19	1.32
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	19	1.32
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	19	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	13	1.32
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	13	1.32
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	13	1.32
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	13	1.32
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	13	1.32
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	13	1.32
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	13	1.32
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	13	1.32
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	13	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	2	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	3	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	3	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	3	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	4	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	4	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	4	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	4	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	6	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	7	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	8	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	16	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	16	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	16	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	18	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	20	1.32
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	20	1.32
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	2	1.32
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	2	1.32
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	2	1.32
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	2	1.32
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	2	1.32
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	2	1.32
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	18	1.32
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	18	1.32
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	18	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	18	1.32
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	18	1.32
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	18	1.32
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	20	1.32
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	20	1.32
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	20	1.32
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	20	1.32
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	20	1.32
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	20	1.32
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	12	1.32
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	12	1.32
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	12	1.32
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	12	1.32
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	12	1.32
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	12	1.32
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	12	1.32
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	12	1.32
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	12	1.32
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	7	1.32
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	7	1.32
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	7	1.32
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	7	1.32
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	7	1.32
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	7	1.32
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	17	1.32
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	17	1.32
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	17	1.32
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	17	1.32
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	17	1.32
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	17	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	1	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	1	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	4	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	11	1.32
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	11	1.32
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	6	1.32
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	6	1.32
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	6	1.32
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	7	1.32
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	7	1.32
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	7	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	2	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	2	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	2	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	20	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	20	1.32
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	20	1.32
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	8	1.32
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	8	1.32
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	8	1.32
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	8	1.32
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	8	1.32
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	8	1.32
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	8	1.32
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	8	1.32
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	8	1.32
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	2	1.32
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	2	1.32
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	2	1.32
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	1	1.32
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	1	1.32
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	1	1.32
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	4	1.32
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	4	1.32
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	4	1.32
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	4	1.32
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	4	1.32
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	4	1.32
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	4	1.32
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	4	1.32
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	4	1.32
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	20	1.32
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	20	1.32
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	20	1.32
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	20	1.32
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	20	1.32
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	20	1.32
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	20	1.32
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	20	1.32
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	20	1.32
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	20	1.32
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	20	1.32
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	20	1.32
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	20	1.32
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	20	1.32
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	20	1.32
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	20	1.32
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	20	1.32
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	6	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	6	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	6	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	6	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	7	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	7	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	7	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	7	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	13	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	13	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	13	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	13	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	14	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	14	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	14	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	14	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	20	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	20	1.32
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	1.32
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	6	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	6	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	6	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	6	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	15	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	15	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	15	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	15	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	15	1.32
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	15	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	15	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	15	1.32
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	15	1.32
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	9	1.32
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	9	1.32
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	9	1.32
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	13	1.32
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	13	1.32
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	13	1.32
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	13	1.32
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	13	1.32
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	13	1.32
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	13	1.32
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	13	1.32
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	13	1.32
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	15	1.32
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	15	1.32
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	15	1.32
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	8	1.32
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	8	1.32
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	8	1.32
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	8	1.32
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	8	1.32
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	14	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	16	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	16	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	16	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	16	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	16	1.32
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	16	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	9	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	9	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	9	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	12	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	12	1.32
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	12	1.32
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	1	1.32
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	12	1.32
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	14	1.32
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	18	1.32
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	20	1.32
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	16	1.32
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	1	1.32
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	1	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	2	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	2	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	2	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	10	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	10	1.32
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	10	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	1	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	2	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	3	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	4	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	5	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	6	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	7	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	8	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	10	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	11	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	12	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	13	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	14	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	15	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	16	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	18	1.32
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	20	1.32
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	11	1.32
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	11	1.32
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	18	1.32
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	6	1.32
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	6	1.32
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	16	1.32
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	19	1.32
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	19	1.32
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	5	1.32
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	16	1.32
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	16	1.32
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	12	1.32
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	2	1.32
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	2	1.32
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB2	6	1.32
(1,1625)	1:19:A:LEU:H	1:19:A:LEU:HB3	6	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	6	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	6	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	6	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	8	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	8	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	8	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	13	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	13	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	13	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	20	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	20	1.32
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	20	1.32
(1,1594)	1:232:A:LYS:H	1:232:A:LYS:HB3	16	1.32
(1,1591)	1:231:A:ILE:H	1:232:A:LYS:H	9	1.32
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	8	1.32
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	8	1.32
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	14	1.32
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	14	1.32
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	7	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	3	1.32
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	8	1.32
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	16	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	1	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	1	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	6	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	6	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	10	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	10	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	12	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	12	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB2	17	1.32
(1,1530)	1:194:A:HIS:H	1:194:A:HIS:HB3	17	1.32
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	1	1.32
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	1	1.32
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	1	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	1	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	1	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	1	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	9	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	9	1.32
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	9	1.32
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	20	1.32
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	20	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	6	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	6	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	7	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	7	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	12	1.32
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	12	1.32
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	10	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	2	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	2	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	2	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	8	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	8	1.32
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	8	1.32
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	4	1.32
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	4	1.32
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	1	1.32
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	1	1.32
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	4	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	4	1.32
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	12	1.32
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	12	1.32
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	12	1.32
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	5	1.32
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	5	1.32
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	13	1.32
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	13	1.32
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	5	1.32
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	5	1.32
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	13	1.32
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	13	1.32
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	5	1.32
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	5	1.32
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	19	1.32
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	19	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	3	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	3	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	3	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	14	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	14	1.32
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	14	1.32
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	9	1.32
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	1	1.32
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	3	1.32
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	4	1.32
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	11	1.32
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	12	1.32
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	14	1.32
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	14	1.32
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	12	1.32
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	12	1.32
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	12	1.32
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	12	1.32
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	9	1.32
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	12	1.32
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	18	1.32
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	20	1.32
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	20	1.32
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	9	1.32
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	9	1.32
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	17	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:43:A:GLN:HE22	1:52:A:GLY:H	19	1.32
(1,946)	1:43:A:GLN:HE21	1:52:A:GLY:H	19	1.32
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	5	1.32
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	7	1.32
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	1	1.32
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	1	1.32
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	1	1.32
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	1	1.32
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	1	1.32
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	1	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	12	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	12	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	12	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	12	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	12	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	12	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	18	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	18	1.32
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	18	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	18	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	18	1.32
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	18	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	7	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	7	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	7	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	7	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	7	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	7	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	10	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	10	1.32
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	10	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	10	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	10	1.32
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	10	1.32
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	8	1.32
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	8	1.32
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	8	1.32
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	6	1.32
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	6	1.32
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	6	1.32
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	6	1.32
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	15	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	15	1.32
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	15	1.32
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	15	1.32
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	19	1.32
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	19	1.32
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	19	1.32
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	19	1.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	2	1.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	2	1.32
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	2	1.32
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	13	1.32
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	13	1.32
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	13	1.32
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	14	1.32
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	14	1.32
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	14	1.32
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	20	1.32
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	20	1.32
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	20	1.32
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	7	1.32
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	7	1.32
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	8	1.32
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	8	1.32
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	8	1.32
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	7	1.32
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	7	1.32
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	7	1.32
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	9	1.32
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	9	1.32
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	4	1.32
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	4	1.32
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	4	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	11	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	11	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	11	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	13	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	13	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	13	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	14	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	14	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	14	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	18	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	18	1.32
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	18	1.32
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	19	1.32
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	19	1.32
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	19	1.32
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	19	1.32
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	19	1.32
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	19	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	8	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	8	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	8	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	8	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	8	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	8	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	11	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	11	1.32
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	11	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	11	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	11	1.32
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	11	1.32
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	1.32
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	1.32
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	20	1.32
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	20	1.32
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	17	1.32
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	17	1.32
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	17	1.32
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	17	1.32
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	17	1.32
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	17	1.32
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	18	1.32
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	18	1.32
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	18	1.32
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	18	1.32
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	18	1.32
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	18	1.32
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	14	1.32
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	14	1.32
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	14	1.32
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG2	3	1.32
(1,563)	1:232:A:LYS:H	1:232:A:LYS:HG3	3	1.32
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	1.32
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	1.32
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	18	1.32
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	7	1.32
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	11	1.32
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	15	1.32
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	9	1.32
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	11	1.32
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	17	1.32
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	20	1.32
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	9	1.32
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	18	1.32
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	18	1.32
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	14	1.32
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	14	1.32
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	12	1.32
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	12	1.32
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	12	1.32
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	12	1.32
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	20	1.32
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	20	1.32
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	4	1.32
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	5	1.32
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	5	1.32
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	5	1.32
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	5	1.32
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	5	1.32
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	5	1.32
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	5	1.32
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	10	1.32
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	10	1.32
(1,351)	1:102:A:HIS:HB2	1:103:A:ILE:H	10	1.32
(1,351)	1:102:A:HIS:HB3	1:103:A:ILE:H	10	1.32
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	19	1.32
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	19	1.32
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	9	1.32
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	9	1.32
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	19	1.32
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	6	1.32
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	6	1.32
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	6	1.32
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	20	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	20	1.32
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	20	1.32
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	8	1.32
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	8	1.32
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	3	1.32
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	3	1.32
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	5	1.32
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	5	1.32
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	5	1.32
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	2	1.32
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	2	1.32
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	2	1.32
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	20	1.32
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	20	1.32
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	20	1.32
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	20	1.32
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	20	1.32
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	20	1.32
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	20	1.32
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	20	1.32
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	20	1.32
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	20	1.32
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	20	1.32
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	20	1.32
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	20	1.32
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	20	1.32
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	20	1.32
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	6	1.32
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	6	1.32
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	6	1.32
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE1	17	1.32
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE2	17	1.32
(1,172)	1:202:A:MET:HB2	1:202:A:MET:HE3	17	1.32
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE1	17	1.32
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE2	17	1.32
(1,172)	1:202:A:MET:HB3	1:202:A:MET:HE3	17	1.32
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	5	1.32
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	8	1.32
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	13	1.32
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	13	1.32
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	14	1.32
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	14	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	6	1.32
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	9	1.32
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	15	1.32
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	16	1.32
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	16	1.32
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	3	1.32
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	3	1.32
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	16	1.32
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	16	1.32
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	4	1.32
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	4	1.32
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	9	1.32
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	9	1.32
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	11	1.32
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	11	1.31
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	11	1.31
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	11	1.31
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	13	1.31
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	13	1.31
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	13	1.31
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	18	1.31
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	18	1.31
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	3	1.31
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	3	1.31
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	3	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	4	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	4	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	4	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	19	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	19	1.31
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	19	1.31
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	3	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	3	1.31
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	3	1.31
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE1	19	1.31
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE2	19	1.31
(1,2123)	1:94:A:VAL:HG21	1:135:A:MET:HE3	19	1.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE1	19	1.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE2	19	1.31
(1,2123)	1:94:A:VAL:HG22	1:135:A:MET:HE3	19	1.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE1	19	1.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE2	19	1.31
(1,2123)	1:94:A:VAL:HG23	1:135:A:MET:HE3	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	1	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	9	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	12	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	12	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	12	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	12	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	13	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	14	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	17	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	19	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	19	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	19	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	19	1.31
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	19	1.31
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	19	1.31
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	19	1.31
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	19	1.31
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	19	1.31
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	19	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	2	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	2	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	2	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	2	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	2	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	2	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	15	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	15	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	15	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	15	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	15	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	15	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	19	1.31
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	19	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	19	1.31
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	19	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	19	1.31
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	19	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	4	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	4	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	4	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	4	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD11	4	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD12	4	1.31
(1,2050)	1:19:A:LEU:HB2	1:19:A:LEU:HD13	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	4	1.31
(1,2050)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	4	1.31
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD21	16	1.31
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD22	16	1.31
(1,2046)	1:54:A:LEU:HB2	1:54:A:LEU:HD23	16	1.31
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	3	1.31
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	3	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	7	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	13	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	13	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	13	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	13	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	13	1.31
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	13	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	12	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	12	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	12	1.31
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	12	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	12	1.31
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	12	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	12	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	12	1.31
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	12	1.31
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	8	1.31
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	8	1.31
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	8	1.31
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	3	1.31
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	3	1.31
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	3	1.31
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	3	1.31
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	3	1.31
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	3	1.31
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	3	1.31
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	3	1.31
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	3	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	5	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	5	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	5	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	5	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	16	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	16	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	16	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	16	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	16	1.31
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	16	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	16	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	16	1.31
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	16	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	11	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	11	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	11	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	11	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	11	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	11	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	11	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	11	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	11	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	12	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	12	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	12	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	12	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	12	1.31
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	12	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	12	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	12	1.31
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	12	1.31
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	6	1.31
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	6	1.31
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	6	1.31
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	20	1.31
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	20	1.31
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	20	1.31
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	16	1.31
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	16	1.31
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	16	1.31
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	16	1.31
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	16	1.31
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	16	1.31
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	16	1.31
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	16	1.31
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	16	1.31
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	3	1.31
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	3	1.31
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	3	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	1	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	1	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	1	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	1	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	1	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	1	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	17	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	17	1.31
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	17	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	17	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	17	1.31
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	17	1.31
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	9	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	9	1.31
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	9	1.31
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	9	1.31
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	9	1.31
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	9	1.31
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	5	1.31
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	5	1.31
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	5	1.31
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	5	1.31
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	5	1.31
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	5	1.31
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	4	1.31
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	4	1.31
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	4	1.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	9	1.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	9	1.31
(1,1805)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	9	1.31
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	1.31
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG12	12	1.31
(1,1799)	1:89:A:VAL:HA	1:89:A:VAL:HG13	12	1.31
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	3	1.31
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	4	1.31
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	8	1.31
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	19	1.31
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	7	1.31
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	7	1.31
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	11	1.31
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	5	1.31
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	5	1.31
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	1	1.31
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	3	1.31
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	3	1.31
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	3	1.31
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	12	1.31
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	12	1.31
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	12	1.31
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	20	1.31
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	20	1.31
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	20	1.31
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB3	9	1.31
(1,1658)	1:39:A:LEU:H	1:39:A:LEU:HB2	9	1.31
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	7	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	7	1.31
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	7	1.31
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	5	1.31
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	5	1.31
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	5	1.31
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	5	1.31
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	2	1.31
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	1	1.31
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	9	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	4	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	4	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	4	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	12	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	12	1.31
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	12	1.31
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB2	17	1.31
(1,1568)	1:207:A:ASP:H	1:207:A:ASP:HB3	17	1.31
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	13	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	10	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	10	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	10	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	12	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	12	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	12	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	19	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	19	1.31
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	19	1.31
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	20	1.31
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	11	1.31
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	20	1.31
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	6	1.31
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	7	1.31
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	17	1.31
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	1	1.31
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	1	1.31
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	1	1.31
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	7	1.31
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	7	1.31
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	9	1.31
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	9	1.31
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	17	1.31
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	18	1.31
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	18	1.31
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	8	1.31
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	14	1.31
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	14	1.31
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	14	1.31
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	5	1.31
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	5	1.31
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	5	1.31
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	11	1.31
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB1	19	1.31
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB2	19	1.31
(1,1312)	1:112:A:ALA:H	1:112:A:ALA:HB3	19	1.31
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	11	1.31
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	11	1.31
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	14	1.31
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	14	1.31
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	8	1.31
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	9	1.31
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	14	1.31
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	18	1.31
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	20	1.31
(1,1264)	1:97:A:THR:HG21	1:100:A:LEU:H	9	1.31
(1,1264)	1:97:A:THR:HG22	1:100:A:LEU:H	9	1.31
(1,1264)	1:97:A:THR:HG23	1:100:A:LEU:H	9	1.31
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	17	1.31
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	17	1.31
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	17	1.31
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	17	1.31
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	16	1.31
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	16	1.31
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	16	1.31
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	15	1.31
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	15	1.31
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	20	1.31
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	11	1.31
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	11	1.31
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	11	1.31
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	11	1.31
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	11	1.31
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	11	1.31
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.31
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	20	1.31
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.31
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	20	1.31
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	4	1.31
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	4	1.31
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	6	1.31
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	6	1.31
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	18	1.31
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	18	1.31
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	18	1.31
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	15	1.31
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	15	1.31
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	1	1.31
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	1	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	12	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	12	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	12	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	12	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	12	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	12	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	12	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	12	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	12	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	14	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	14	1.31
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	14	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	14	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	14	1.31
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	14	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	14	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	14	1.31
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	14	1.31
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB2	17	1.31
(1,652)	1:42:A:MET:HA	1:45:A:PHE:HB3	17	1.31
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	17	1.31
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	3	1.31
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	3	1.31
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	3	1.31
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	17	1.31
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	17	1.31
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	13	1.31
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	13	1.31
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	13	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	3	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	3	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	13	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	13	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	20	1.31
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	20	1.31
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	7	1.31
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	7	1.31
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	7	1.31
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	7	1.31
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	7	1.31
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	7	1.31
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	8	1.31
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	17	1.31
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	6	1.31
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	19	1.31
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	11	1.31
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	13	1.31
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	20	1.31
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	20	1.31
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	20	1.31
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	20	1.31
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	20	1.31
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	20	1.31
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	20	1.31
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	20	1.31
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	20	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	12	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	12	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	12	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	12	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	12	1.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	12	1.31
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	6	1.31
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	6	1.31
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	6	1.31
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	6	1.31
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	6	1.31
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	6	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	18	1.31
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	16	1.31
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	16	1.31
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	11	1.31
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	11	1.31
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	11	1.31
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	11	1.31
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	13	1.31
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	13	1.31
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	13	1.31
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	13	1.31
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	2	1.31
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	2	1.31
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	5	1.31
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	5	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	11	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	11	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	11	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	14	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	14	1.31
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	14	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	6	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	6	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	7	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	7	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	11	1.31
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	11	1.31
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	13	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	9	1.31
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	9	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	9	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	9	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	17	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	17	1.31
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	17	1.31
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	7	1.31
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	7	1.31
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	6	1.31
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	6	1.31
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	6	1.31
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	6	1.31
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	20	1.31
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	20	1.31
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	20	1.31
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	20	1.31
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	20	1.31
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	20	1.31
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	19	1.31
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	19	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	1	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	1	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	2	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	2	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	7	1.31
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	7	1.31
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	8	1.31
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	8	1.31
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	8	1.31
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	6	1.31
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	6	1.31
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	6	1.31
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	12	1.31
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	12	1.31
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	12	1.31
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	16	1.31
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	16	1.31
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	16	1.31
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	16	1.31
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	16	1.31
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	16	1.31
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	13	1.31
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	13	1.31
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	13	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	6	1.31
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	6	1.31
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	6	1.31
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	13	1.31
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	13	1.31
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	13	1.31
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	7	1.31
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG21	6	1.31
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG22	6	1.31
(1,137)	1:215:A:THR:HA	1:215:A:THR:HG23	6	1.31
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	1	1.31
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	1	1.31
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	16	1.31
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	17	1.31
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	4	1.31
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	7	1.31
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	14	1.31
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	19	1.31
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	20	1.31
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	17	1.31
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	17	1.31
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	9	1.31
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	9	1.31
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	12	1.31
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	12	1.31
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	9	1.31
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	15	1.31
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	1	1.31
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	1	1.31
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	10	1.3
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	10	1.3
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	10	1.3
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	6	1.3
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	6	1.3
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	6	1.3
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	9	1.3
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	9	1.3
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	9	1.3
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	12	1.3
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	12	1.3
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	12	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	11	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	11	1.3
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	11	1.3
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	11	1.3
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB2	11	1.3
(1,2112)	1:122:A:LEU:HB2	1:123:A:HIS:HB3	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB2	11	1.3
(1,2112)	1:122:A:LEU:HB3	1:123:A:HIS:HB3	11	1.3
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	1	1.3
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	1	1.3
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	1	1.3
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	1	1.3
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	1	1.3
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	1	1.3
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	1	1.3
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	15	1.3
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	15	1.3
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	15	1.3
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	15	1.3
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	15	1.3
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	15	1.3
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	15	1.3
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	15	1.3
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	15	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	4	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	4	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	4	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	4	1.3
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	4	1.3
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	4	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	6	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	6	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	6	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	6	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	6	1.3
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	6	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	13	1.3
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	13	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	13	1.3
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	13	1.3
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	13	1.3
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	13	1.3
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	2	1.3
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	2	1.3
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	2	1.3
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	3	1.3
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	3	1.3
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	3	1.3
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	3	1.3
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	3	1.3
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	3	1.3
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	3	1.3
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	3	1.3
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	3	1.3
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	6	1.3
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	6	1.3
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	4	1.3
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	4	1.3
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	4	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	15	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	15	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	15	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	15	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	15	1.3
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	15	1.3
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	13	1.3
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	13	1.3
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	13	1.3
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	13	1.3
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	13	1.3
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	13	1.3
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	13	1.3
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	13	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	8	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	8	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	8	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	8	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	8	1.3
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	8	1.3
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG21	5	1.3
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG22	5	1.3
(1,1928)	1:23:A:TYR:HB2	1:72:A:VAL:HG23	5	1.3
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG21	5	1.3
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG22	5	1.3
(1,1928)	1:23:A:TYR:HB3	1:72:A:VAL:HG23	5	1.3
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	6	1.3
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	6	1.3
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	6	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	1	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	1	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	1	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	1	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	9	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	9	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	9	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	9	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	11	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	11	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	11	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	11	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	11	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	11	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	11	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	11	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	11	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	15	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	15	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	15	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	15	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	15	1.3
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	15	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	15	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	15	1.3
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	15	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	7	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	7	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	7	1.3
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	7	1.3
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	7	1.3
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	7	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	7	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	7	1.3
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	7	1.3
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	8	1.3
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	8	1.3
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	8	1.3
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	12	1.3
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	12	1.3
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	12	1.3
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	5	1.3
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	5	1.3
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	5	1.3
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	5	1.3
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	5	1.3
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	5	1.3
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	5	1.3
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	5	1.3
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	5	1.3
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	13	1.3
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	13	1.3
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	9	1.3
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	9	1.3
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	9	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	13	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	13	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	13	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	13	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	13	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	13	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	16	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	16	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	16	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	16	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	16	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	16	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	18	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	18	1.3
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	18	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	18	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	18	1.3
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	18	1.3
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	16	1.3
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	16	1.3
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	16	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	4	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	4	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	4	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	4	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	4	1.3
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	4	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	13	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	13	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	13	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	17	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	17	1.3
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	17	1.3
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	9	1.3
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	10	1.3
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	10	1.3
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	3	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	3	1.3
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	17	1.3
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	17	1.3
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	20	1.3
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	2	1.3
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	2	1.3
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	4	1.3
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	4	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	4	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	4	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	4	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	20	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	20	1.3
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	20	1.3
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	12	1.3
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	12	1.3
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	15	1.3
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	13	1.3
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	13	1.3
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	13	1.3
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	9	1.3
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	9	1.3
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	1	1.3
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	1	1.3
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	3	1.3
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	3	1.3
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	3	1.3
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	4	1.3
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	4	1.3
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	1	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	2	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	2	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	2	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	2	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	11	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	11	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	11	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	11	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	13	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	13	1.3
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	13	1.3
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	13	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	10	1.3
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	10	1.3
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	6	1.3
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	6	1.3
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	6	1.3
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	6	1.3
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	14	1.3
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	10	1.3
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	10	1.3
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	10	1.3
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	8	1.3
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	8	1.3
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	7	1.3
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	7	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	7	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	7	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	7	1.3
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	7	1.3
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	6	1.3
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	19	1.3
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	4	1.3
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	4	1.3
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	4	1.3
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	20	1.3
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	20	1.3
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	3	1.3
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	7	1.3
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	13	1.3
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	20	1.3
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	6	1.3
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	6	1.3
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	6	1.3
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	2	1.3
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	2	1.3
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	2	1.3
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	4	1.3
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	4	1.3
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	4	1.3
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	8	1.3
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	8	1.3
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	8	1.3
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	15	1.3
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	2	1.3
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	1	1.3
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	1	1.3
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	11	1.3
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	15	1.3
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	15	1.3
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	15	1.3
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	9	1.3
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	9	1.3
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	6	1.3
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	15	1.3
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	5	1.3
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	6	1.3
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	16	1.3
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	2	1.3
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	1	1.3
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	1	1.3
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	20	1.3
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	20	1.3
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	13	1.3
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	13	1.3
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	13	1.3
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	13	1.3
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	5	1.3
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	5	1.3
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	7	1.3
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	1	1.3
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	17	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	7	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	7	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	7	1.3
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	7	1.3
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	15	1.3
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	4	1.3
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	7	1.3
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	7	1.3
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	9	1.3
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	14	1.3
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	16	1.3
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	16	1.3
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	16	1.3
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	16	1.3
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	16	1.3
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	12	1.3
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	12	1.3
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	12	1.3
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	12	1.3
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	12	1.3
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	12	1.3
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	15	1.3
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	15	1.3
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	15	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	16	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	16	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	16	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	16	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	16	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	16	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	19	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	19	1.3
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	19	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	19	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	19	1.3
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	19	1.3
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	20	1.3
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	20	1.3
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	20	1.3
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	19	1.3
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	19	1.3
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	19	1.3
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	3	1.3
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	3	1.3
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	3	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	4	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	4	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	4	1.3
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	4	1.3
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	4	1.3
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	4	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	5	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	5	1.3
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	5	1.3
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	5	1.3
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	5	1.3
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	3	1.3
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	3	1.3
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	3	1.3
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	3	1.3
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	3	1.3
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	3	1.3
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	2	1.3
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	18	1.3
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	7	1.3
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	7	1.3
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	7	1.3
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	8	1.3
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	8	1.3
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	8	1.3
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	7	1.3
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	7	1.3
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	7	1.3
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	11	1.3
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	11	1.3
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	11	1.3
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	15	1.3
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	15	1.3
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	15	1.3
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	16	1.3
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	16	1.3
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	16	1.3
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	17	1.3
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	17	1.3
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	17	1.3
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	9	1.3
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	9	1.3
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	15	1.3
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	15	1.3
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	12	1.3
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	12	1.3
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	12	1.3
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD11	9	1.3
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD12	9	1.3
(1,682)	1:42:A:MET:HE1	1:61:A:ILE:HD13	9	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD11	9	1.3
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD12	9	1.3
(1,682)	1:42:A:MET:HE2	1:61:A:ILE:HD13	9	1.3
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD11	9	1.3
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD12	9	1.3
(1,682)	1:42:A:MET:HE3	1:61:A:ILE:HD13	9	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	11	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	11	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	11	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	14	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	14	1.3
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	14	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	2	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	2	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	2	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	2	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	2	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	2	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	14	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	14	1.3
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	14	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	14	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	14	1.3
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	14	1.3
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	2	1.3
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	2	1.3
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	2	1.3
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	17	1.3
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	17	1.3
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	17	1.3
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	17	1.3
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	17	1.3
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	17	1.3
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	20	1.3
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	20	1.3
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	20	1.3
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	14	1.3
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	14	1.3
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	3	1.3
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	3	1.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	17	1.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	17	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	17	1.3
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	17	1.3
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	17	1.3
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	17	1.3
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	1	1.3
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	1	1.3
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	1	1.3
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	1	1.3
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	1	1.3
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	1	1.3
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	18	1.3
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	11	1.3
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	11	1.3
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	9	1.3
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	9	1.3
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	15	1.3
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	15	1.3
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	15	1.3
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	15	1.3
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	15	1.3
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	15	1.3
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	15	1.3
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	15	1.3
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	15	1.3
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	11	1.3
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	11	1.3
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	11	1.3
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	12	1.3
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	12	1.3
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	12	1.3
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	10	1.3
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	10	1.3
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	10	1.3
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	10	1.3
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	10	1.3
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	10	1.3
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	10	1.3
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	10	1.3
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	10	1.3
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	5	1.3
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	5	1.3
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	5	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	14	1.3
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	14	1.3
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	14	1.3
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	14	1.3
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	14	1.3
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	14	1.3
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	8	1.3
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	14	1.3
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	14	1.3
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	14	1.3
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	14	1.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	4	1.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	4	1.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	4	1.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	4	1.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	4	1.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	4	1.3
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	12	1.3
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	12	1.3
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	3	1.3
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	3	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	1	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	1	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	9	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	9	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	15	1.3
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	15	1.3
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	12	1.3
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	12	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	3	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	3	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	14	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	14	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	15	1.3
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	15	1.3
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	7	1.3
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	11	1.3
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	11	1.3
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	11	1.3
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	11	1.3
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	11	1.3
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	11	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	20	1.3
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	20	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	4	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	4	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	6	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	6	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	9	1.3
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	9	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	3	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	3	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	6	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	6	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	10	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	10	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	12	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	12	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	16	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	16	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	17	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	17	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	19	1.3
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	19	1.3
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	20	1.3
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	20	1.3
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	20	1.3
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	18	1.3
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	2	1.3
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	2	1.3
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	2	1.3
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	2	1.3
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	2	1.3
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	2	1.3
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	1	1.3
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	1	1.3
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	1	1.3
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	1	1.3
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	15	1.3
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	4	1.3
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	18	1.3
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	18	1.3
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	19	1.3
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	5	1.3
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	9	1.3
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	9	1.3
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	20	1.3
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	20	1.3
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	2	1.3
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	2	1.3
(1,70)	1:72:A:VAL:HA	1:73:A:ALA:H	19	1.3
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	1	1.3
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	1	1.3
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	9	1.3
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	9	1.3
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	3	1.3
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	3	1.3
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	14	1.29
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	14	1.29
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	14	1.29
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	3	1.29
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	3	1.29
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	3	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	4	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	4	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	4	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	6	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	6	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	6	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	15	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	15	1.29
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	15	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	8	1.29
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	8	1.29
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	4	1.29
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	4	1.29
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	4	1.29
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	4	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	4	1.29
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	4	1.29
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	3	1.29
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	3	1.29
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	3	1.29
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	3	1.29
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	3	1.29
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	3	1.29
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	11	1.29
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	11	1.29
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	11	1.29
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	14	1.29
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	14	1.29
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	14	1.29
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	14	1.29
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	14	1.29
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	14	1.29
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	14	1.29
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	14	1.29
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	14	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	3	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	3	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	3	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	3	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	15	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	15	1.29
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	15	1.29
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	15	1.29
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	20	1.29
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	20	1.29
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	20	1.29
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	20	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	20	1.29
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	20	1.29
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	20	1.29
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	20	1.29
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	20	1.29
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	14	1.29
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	14	1.29
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	14	1.29
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	14	1.29
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	14	1.29
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	14	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	5	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	5	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	5	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	5	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	5	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	5	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	12	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	12	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	12	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	12	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	12	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	12	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	18	1.29
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	18	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	18	1.29
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	18	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	18	1.29
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	18	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	12	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	12	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	12	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	13	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	13	1.29
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	13	1.29
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	13	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	13	1.29
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	13	1.29
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG21	19	1.29
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG22	19	1.29
(1,2017)	1:58:A:VAL:H	1:58:A:VAL:HG23	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	17	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	19	1.29
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	19	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	15	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	15	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	15	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	15	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	15	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	15	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	15	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	15	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	15	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	18	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	18	1.29
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	18	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	18	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	18	1.29
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	18	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	18	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	18	1.29
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	18	1.29
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	1	1.29
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	1	1.29
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	1	1.29
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	2	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	2	1.29
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	2	1.29
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	2	1.29
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	2	1.29
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	2	1.29
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	2	1.29
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	2	1.29
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	2	1.29
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	8	1.29
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	8	1.29
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	8	1.29
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	6	1.29
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	6	1.29
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	6	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	4	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	4	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	4	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	6	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	6	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	6	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	15	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	15	1.29
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	15	1.29
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	20	1.29
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	20	1.29
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	20	1.29
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	20	1.29
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	20	1.29
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	20	1.29
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	20	1.29
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	20	1.29
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	20	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	16	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	16	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	16	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	16	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	16	1.29
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	16	1.29
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	20	1.29
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	20	1.29
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	20	1.29
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	8	1.29
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	8	1.29
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	8	1.29
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	8	1.29
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	8	1.29
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	8	1.29
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	8	1.29
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	8	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	10	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	10	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	10	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	10	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	14	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	14	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	14	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	14	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	14	1.29
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	14	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	14	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	14	1.29
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	14	1.29
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	7	1.29
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	7	1.29
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	7	1.29
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	8	1.29
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	8	1.29
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	8	1.29
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	9	1.29
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	9	1.29
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	9	1.29
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	3	1.29
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	3	1.29
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	3	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	3	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	3	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	3	1.29
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	3	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	3	1.29
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	3	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	12	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	12	1.29
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	12	1.29
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	12	1.29
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	12	1.29
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	12	1.29
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	8	1.29
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	8	1.29
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	8	1.29
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	8	1.29
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	8	1.29
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	8	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	1	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	1	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	1	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	1	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	1	1.29
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	1	1.29
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	20	1.29
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	20	1.29
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	20	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	3	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	3	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	3	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	6	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	6	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	6	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	14	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	14	1.29
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	14	1.29
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	5	1.29
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	4	1.29
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	5	1.29
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	5	1.29
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	14	1.29
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	14	1.29
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	5	1.29
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	5	1.29
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	5	1.29
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	15	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	15	1.29
(1,1705)	1:58:A:VAL:HB	1:59:A:ILE:H	8	1.29
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	6	1.29
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	6	1.29
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	7	1.29
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	7	1.29
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	4	1.29
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	4	1.29
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	16	1.29
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	16	1.29
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	14	1.29
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	2	1.29
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	2	1.29
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	11	1.29
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	11	1.29
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	9	1.29
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	9	1.29
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	1	1.29
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	1	1.29
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	1	1.29
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	1	1.29
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	16	1.29
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	16	1.29
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	16	1.29
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	4	1.29
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	4	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	10	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	10	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	10	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	10	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	12	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	12	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	12	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	12	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	16	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	16	1.29
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	16	1.29
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	16	1.29
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	16	1.29
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	5	1.29
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	5	1.29
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	5	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	7	1.29
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	7	1.29
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	7	1.29
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	13	1.29
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	13	1.29
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	13	1.29
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	13	1.29
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	13	1.29
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	13	1.29
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	11	1.29
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	15	1.29
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	15	1.29
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	15	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	2	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	2	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	9	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	9	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	14	1.29
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	14	1.29
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	4	1.29
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	19	1.29
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	19	1.29
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	19	1.29
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	2	1.29
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	10	1.29
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	10	1.29
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	10	1.29
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	4	1.29
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	7	1.29
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	8	1.29
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	10	1.29
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	13	1.29
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	14	1.29
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	14	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	3	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	3	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	8	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	8	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	16	1.29
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	16	1.29
(1,1284)	1:104:A:THR:HB	1:105:A:VAL:H	4	1.29
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	2	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	17	1.29
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	19	1.29
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	19	1.29
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	19	1.29
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	19	1.29
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	12	1.29
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	10	1.29
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	12	1.29
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	12	1.29
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	13	1.29
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	13	1.29
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	13	1.29
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	13	1.29
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	2	1.29
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	2	1.29
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	2	1.29
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	14	1.29
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	4	1.29
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	4	1.29
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	4	1.29
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	4	1.29
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	4	1.29
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	4	1.29
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	13	1.29
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	13	1.29
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	13	1.29
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	4	1.29
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	4	1.29
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	4	1.29
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	20	1.29
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	20	1.29
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	20	1.29
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	20	1.29
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	20	1.29
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	20	1.29
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	7	1.29
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	7	1.29
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	7	1.29
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	7	1.29
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	7	1.29
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	7	1.29
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	11	1.29
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	11	1.29
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	11	1.29
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	11	1.29
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	11	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	4	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	4	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	4	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	4	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	4	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	4	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	13	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	13	1.29
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	13	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	13	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	13	1.29
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	13	1.29
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	18	1.29
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	18	1.29
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	18	1.29
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	18	1.29
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	18	1.29
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	18	1.29
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	1	1.29
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	1	1.29
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	1	1.29
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	8	1.29
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	8	1.29
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	8	1.29
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	9	1.29
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	9	1.29
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	9	1.29
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	10	1.29
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	10	1.29
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	17	1.29
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	17	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	3	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	3	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	3	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	10	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	10	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	10	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	14	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	14	1.29
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	14	1.29
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	14	1.29
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	14	1.29
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	3	1.29
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	3	1.29
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	1	1.29
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	2	1.29
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	2	1.29
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	4	1.29
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	4	1.29
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	15	1.29
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	15	1.29
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	15	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	15	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	15	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	15	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	15	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	15	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	15	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	16	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	16	1.29
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	16	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	16	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	16	1.29
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	16	1.29
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	6	1.29
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	6	1.29
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	6	1.29
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	6	1.29
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	6	1.29
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	6	1.29
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	1	1.29
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	11	1.29
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	13	1.29
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	12	1.29
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	3	1.29
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	4	1.29
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	3	1.29
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	5	1.29
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	8	1.29
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	19	1.29
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	19	1.29
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	14	1.29
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	14	1.29
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	14	1.29
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	14	1.29
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	14	1.29
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	14	1.29
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	14	1.29
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	14	1.29
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	14	1.29
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	14	1.29
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	14	1.29
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	14	1.29
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	19	1.29
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	19	1.29
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	19	1.29
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	12	1.29
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	12	1.29
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	12	1.29
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	12	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	3	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	3	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	5	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	5	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	8	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	8	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	12	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	12	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	14	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	14	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	16	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	16	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	17	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	17	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	1.29
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	1.29
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	10	1.29
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	8	1.29
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	8	1.29
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	8	1.29
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	8	1.29
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	8	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	8	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	8	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	8	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	8	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	8	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	8	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	14	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	14	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	14	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	14	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	14	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	14	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	16	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	16	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	16	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	16	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	16	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	16	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	17	1.29
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	17	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	17	1.29
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	17	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	17	1.29
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	17	1.29
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	19	1.29
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	19	1.29
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	19	1.29
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	19	1.29
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	19	1.29
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	19	1.29
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	18	1.29
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	18	1.29
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	18	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	7	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	7	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	10	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	10	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	11	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	19	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	19	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.29
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.29
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	7	1.29
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	7	1.29
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	7	1.29
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	7	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	4	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	4	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	5	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	5	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	9	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	9	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	18	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	18	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.29
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.29
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	9	1.29
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	9	1.29
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	9	1.29
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	9	1.29
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	17	1.29
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	17	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	1	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	1	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	1	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	1	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	1	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	1	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	6	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	6	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	6	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	6	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	6	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	6	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	9	1.29
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	9	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	9	1.29
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	9	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	9	1.29
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	8	1.29
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	8	1.29
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	8	1.29
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE1	12	1.29
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE2	12	1.29
(1,164)	1:131:A:THR:HG21	1:135:A:MET:HE3	12	1.29
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE1	12	1.29
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE2	12	1.29
(1,164)	1:131:A:THR:HG22	1:135:A:MET:HE3	12	1.29
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE1	12	1.29
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE2	12	1.29
(1,164)	1:131:A:THR:HG23	1:135:A:MET:HE3	12	1.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	4	1.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	4	1.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	4	1.29
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	16	1.29
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	14	1.29
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	18	1.29
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	14	1.29
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	8	1.29
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	8	1.29
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	2	1.29
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	2	1.29
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	8	1.29
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	8	1.29
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	8	1.29
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	8	1.29
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	4	1.29
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	11	1.29
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	11	1.29
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	16	1.29
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	16	1.29
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	5	1.29
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	5	1.29
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	16	1.29
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	16	1.29
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	11	1.28
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	11	1.28
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	11	1.28
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG11	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG12	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG13	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG21	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG22	1:90:A:THR:H	6	1.28
(1,2207)	1:88:A:VAL:HG23	1:90:A:THR:H	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	6	1.28
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	6	1.28
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	17	1.28
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	17	1.28
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	17	1.28
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	10	1.28
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	10	1.28
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	10	1.28
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	1	1.28
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	1	1.28
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	1	1.28
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	1	1.28
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	3	1.28
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	3	1.28
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	3	1.28
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	3	1.28
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	3	1.28
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	3	1.28
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	9	1.28
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	9	1.28
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	9	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	9	1.28
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	9	1.28
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	9	1.28
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	18	1.28
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	18	1.28
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	18	1.28
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.28
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.28
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.28
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	20	1.28
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	20	1.28
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	20	1.28
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	6	1.28
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	6	1.28
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	6	1.28
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	4	1.28
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	4	1.28
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	4	1.28
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	4	1.28
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	4	1.28
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	4	1.28
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	4	1.28
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	4	1.28
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	4	1.28
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	16	1.28
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	16	1.28
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	16	1.28
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	10	1.28
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	10	1.28
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	10	1.28
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	18	1.28
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	18	1.28
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	18	1.28
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	18	1.28
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	18	1.28
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	18	1.28
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	18	1.28
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	18	1.28
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	18	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	2	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	2	1.28
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	2	1.28
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	2	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	3	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	3	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	3	1.28
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	3	1.28
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	3	1.28
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	3	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	3	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	3	1.28
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	3	1.28
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	14	1.28
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	14	1.28
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	14	1.28
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	16	1.28
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	16	1.28
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	16	1.28
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	16	1.28
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	16	1.28
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	16	1.28
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	16	1.28
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	16	1.28
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	7	1.28
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	7	1.28
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	7	1.28
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	7	1.28
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	7	1.28
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	7	1.28
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	19	1.28
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	19	1.28
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	19	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	8	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	8	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	8	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	15	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	15	1.28
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	15	1.28
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	20	1.28
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	20	1.28
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	20	1.28
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	20	1.28
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	18	1.28
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	18	1.28
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	10	1.28
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	7	1.28
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	7	1.28
(1,1743)	1:67:A:CYS:HB2	1:69:A:VAL:H	13	1.28
(1,1743)	1:67:A:CYS:HB3	1:69:A:VAL:H	13	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	9	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	9	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	9	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	18	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	18	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	18	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	19	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	19	1.28
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	19	1.28
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	18	1.28
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	18	1.28
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	13	1.28
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	13	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	2	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	2	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	10	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	10	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	11	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	11	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	13	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	13	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	15	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	15	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	16	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	16	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	20	1.28
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	20	1.28
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	4	1.28
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	4	1.28
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	4	1.28
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	6	1.28
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	6	1.28
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	20	1.28
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	20	1.28
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	8	1.28
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	8	1.28
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	19	1.28
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	19	1.28
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	13	1.28
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	13	1.28
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	17	1.28
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	12	1.28
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	12	1.28
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	1	1.28
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	1	1.28
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	14	1.28
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	14	1.28
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	9	1.28
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	9	1.28
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	9	1.28
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	10	1.28
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	10	1.28
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	10	1.28
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	15	1.28
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	15	1.28
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	15	1.28
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	17	1.28
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	17	1.28
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	2	1.28
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	2	1.28
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	2	1.28
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	14	1.28
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	14	1.28
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	16	1.28
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	16	1.28
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	18	1.28
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	18	1.28
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	6	1.28
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	9	1.28
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	18	1.28
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	18	1.28
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	18	1.28
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	20	1.28
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	20	1.28
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	20	1.28
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	8	1.28
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	8	1.28
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	2	1.28
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	2	1.28
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	2	1.28
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	5	1.28
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	5	1.28
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	5	1.28
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	8	1.28
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	8	1.28
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	8	1.28
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	20	1.28
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	20	1.28
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	20	1.28
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	16	1.28
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	1	1.28
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	1	1.28
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	1	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	1	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	3	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	9	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	11	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	12	1.28
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	16	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1364)	1:124:A:PHE:HA	1:125:A:ARG:H	17	1.28
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	8	1.28
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	1	1.28
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	1	1.28
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	19	1.28
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	19	1.28
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	7	1.28
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	16	1.28
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	16	1.28
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	18	1.28
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	18	1.28
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	7	1.28
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	10	1.28
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	10	1.28
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	2	1.28
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	16	1.28
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	4	1.28
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	7	1.28
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	8	1.28
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	5	1.28
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	11	1.28
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	17	1.28
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	15	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	4	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	4	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	4	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	13	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	13	1.28
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	13	1.28
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	1	1.28
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	18	1.28
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	17	1.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	5	1.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	5	1.28
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	12	1.28
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	8	1.28
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	8	1.28
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	8	1.28
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	14	1.28
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	14	1.28
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	14	1.28
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	14	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	14	1.28
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	14	1.28
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	14	1.28
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	14	1.28
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	14	1.28
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	14	1.28
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	14	1.28
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	14	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	2	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	2	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	2	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	2	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	2	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	2	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	16	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	16	1.28
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	16	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	16	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	16	1.28
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	16	1.28
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	17	1.28
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	17	1.28
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	17	1.28
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	17	1.28
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	17	1.28
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	17	1.28
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	13	1.28
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	13	1.28
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	13	1.28
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	16	1.28
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	16	1.28
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	16	1.28
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	7	1.28
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	7	1.28
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	7	1.28
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	7	1.28
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	7	1.28
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	7	1.28
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	10	1.28
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	10	1.28
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	10	1.28
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	5	1.28
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	5	1.28
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	5	1.28
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	18	1.28
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	18	1.28
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	18	1.28
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	18	1.28
(1,745)	1:112:A:ALA:HB1	1:113:A:LEU:H	4	1.28
(1,745)	1:112:A:ALA:HB2	1:113:A:LEU:H	4	1.28
(1,745)	1:112:A:ALA:HB3	1:113:A:LEU:H	4	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	2	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	2	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	2	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	4	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	4	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	4	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	5	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	5	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	5	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	17	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	17	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	17	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	20	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	20	1.28
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	20	1.28
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	17	1.28
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	17	1.28
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	19	1.28
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	19	1.28
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	19	1.28
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	6	1.28
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	6	1.28
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	5	1.28
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	5	1.28
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	14	1.28
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	14	1.28
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	3	1.28
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	3	1.28
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	3	1.28
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	3	1.28
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	3	1.28
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	3	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	3	1.28
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	3	1.28
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	3	1.28
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	20	1.28
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	20	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	6	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	6	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	6	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	6	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	6	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	6	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	13	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	13	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	13	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	13	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	13	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	13	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	20	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	20	1.28
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	20	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	20	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	20	1.28
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	20	1.28
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	7	1.28
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	7	1.28
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	7	1.28
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	1	1.28
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	1	1.28
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	1	1.28
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	1	1.28
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	1	1.28
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	1	1.28
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	8	1.28
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	8	1.28
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	8	1.28
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	13	1.28
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	12	1.28
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	19	1.28
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	20	1.28
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	7	1.28
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	7	1.28
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	7	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	20	1.28
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	20	1.28
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	20	1.28
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	20	1.28
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	9	1.28
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	9	1.28
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	9	1.28
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	9	1.28
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	9	1.28
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	9	1.28
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	9	1.28
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	9	1.28
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	9	1.28
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	15	1.28
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	15	1.28
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	15	1.28
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	6	1.28
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	6	1.28
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	6	1.28
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	14	1.28
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	15	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	2	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	2	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	2	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	13	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	13	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	13	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	20	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	20	1.28
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	20	1.28
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	20	1.28
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	20	1.28
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	20	1.28
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	20	1.28
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	14	1.28
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	14	1.28
(1,387)	1:138:A:PHE:HB2	1:139:A:ALA:H	14	1.28
(1,387)	1:138:A:PHE:HB3	1:139:A:ALA:H	14	1.28
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	1	1.28
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	1	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	2	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	2	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	4	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	4	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	10	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	10	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	13	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	13	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB2	19	1.28
(1,362)	1:237:A:LEU:H	1:237:A:LEU:HB3	19	1.28
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	11	1.28
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	11	1.28
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	11	1.28
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	11	1.28
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	11	1.28
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	11	1.28
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	15	1.28
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	15	1.28
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	15	1.28
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	13	1.28
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	13	1.28
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	13	1.28
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	8	1.28
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	8	1.28
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB2	13	1.28
(1,314)	1:106:A:ASP:H	1:106:A:ASP:HB3	13	1.28
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	8	1.28
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	8	1.28
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	8	1.28
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	8	1.28
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	8	1.28
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	8	1.28
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	1	1.28
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	1	1.28
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	1	1.28
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	1	1.28
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	8	1.28
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	8	1.28
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	13	1.28
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	13	1.28
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	17	1.28
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	17	1.28
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	17	1.28
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	17	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	2	1.28
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	2	1.28
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	2	1.28
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	2	1.28
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	2	1.28
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	2	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	11	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	11	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	13	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	13	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	14	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	14	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB2	15	1.28
(1,251)	1:113:A:LEU:H	1:113:A:LEU:HB3	15	1.28
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	17	1.28
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	17	1.28
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	17	1.28
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	4	1.28
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	4	1.28
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	4	1.28
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	4	1.28
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	4	1.28
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	4	1.28
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	5	1.28
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	5	1.28
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	5	1.28
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	5	1.28
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	5	1.28
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	5	1.28
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	17	1.28
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	17	1.28
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	17	1.28
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	17	1.28
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	17	1.28
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	17	1.28
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	16	1.28
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	16	1.28
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	15	1.28
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	15	1.28
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	17	1.28
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	17	1.28
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	6	1.28
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	7	1.28
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	12	1.28
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	17	1.28
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	18	1.28
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	11	1.28
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	11	1.28
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	13	1.28
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	13	1.28
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	16	1.28
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	16	1.28
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	16	1.28
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	16	1.28
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	11	1.28
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	11	1.28
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	4	1.27
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	4	1.27
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	4	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	9	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	9	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	9	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	10	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	10	1.27
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	10	1.27
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	13	1.27
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	13	1.27
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	13	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	9	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	9	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	9	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	18	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	18	1.27
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	18	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	2	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	2	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	2	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	7	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	7	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	7	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	10	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	10	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	10	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	11	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	11	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	11	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	12	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	12	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	12	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	13	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	13	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	13	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	14	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	14	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	14	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	15	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	15	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	15	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	17	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	17	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	17	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	18	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	18	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	18	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	19	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	19	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	19	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	20	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	20	1.27
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	20	1.27
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	8	1.27
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	8	1.27
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	8	1.27
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	8	1.27
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	8	1.27
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	8	1.27
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	12	1.27
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	12	1.27
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	12	1.27
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	12	1.27
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	12	1.27
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	12	1.27
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	14	1.27
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	14	1.27
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	14	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	14	1.27
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	14	1.27
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	14	1.27
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	20	1.27
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	20	1.27
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	20	1.27
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	20	1.27
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	20	1.27
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	20	1.27
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	20	1.27
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	20	1.27
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	20	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	11	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	11	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	11	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	17	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	17	1.27
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	17	1.27
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	17	1.27
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	17	1.27
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	7	1.27
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	7	1.27
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	7	1.27
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	7	1.27
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	7	1.27
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	7	1.27
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	17	1.27
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	17	1.27
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	17	1.27
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	17	1.27
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	17	1.27
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	17	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	15	1.27
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	15	1.27
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	15	1.27
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	10	1.27
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	10	1.27
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	10	1.27
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	10	1.27
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	10	1.27
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	10	1.27
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	10	1.27
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	10	1.27
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	10	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	9	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	9	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	9	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	10	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	10	1.27
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	10	1.27
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	17	1.27
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	17	1.27
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	17	1.27
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	2	1.27
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	2	1.27
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	2	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	1	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	1	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	1	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	2	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	2	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	2	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	3	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	3	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	3	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	11	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	11	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	11	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	14	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	14	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	14	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	16	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	16	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	20	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	20	1.27
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	20	1.27
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	18	1.27
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	18	1.27
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	18	1.27
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	18	1.27
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	18	1.27
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	18	1.27
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	18	1.27
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	18	1.27
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	18	1.27
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	3	1.27
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	3	1.27
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	3	1.27
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	6	1.27
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	6	1.27
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	6	1.27
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	6	1.27
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	6	1.27
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	6	1.27
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	6	1.27
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	6	1.27
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	6	1.27
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	6	1.27
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	6	1.27
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	6	1.27
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	6	1.27
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	6	1.27
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	6	1.27
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	9	1.27
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	9	1.27
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	9	1.27
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	9	1.27
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	9	1.27
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	9	1.27
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	16	1.27
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	16	1.27
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	16	1.27
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	16	1.27
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	16	1.27
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	9	1.27
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	9	1.27
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	9	1.27
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	9	1.27
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	9	1.27
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	9	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	10	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	10	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	10	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	11	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	11	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	11	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	18	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	18	1.27
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	18	1.27
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	20	1.27
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	20	1.27
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	20	1.27
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	20	1.27
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	13	1.27
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	6	1.27
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	6	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	7	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	7	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	7	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	11	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	11	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	11	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB1	17	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB2	17	1.27
(1,1729)	1:73:A:ALA:H	1:73:A:ALA:HB3	17	1.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	19	1.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	19	1.27
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	19	1.27
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	2	1.27
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	13	1.27
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	13	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	1	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	1	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	3	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	3	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	4	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	4	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	8	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	8	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	17	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	17	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	18	1.27
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	18	1.27
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	8	1.27
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	17	1.27
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	17	1.27
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	7	1.27
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	7	1.27
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	7	1.27
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	7	1.27
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	15	1.27
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	15	1.27
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	4	1.27
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	5	1.27
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	10	1.27
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	1	1.27
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	1	1.27
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	1	1.27
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	10	1.27
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	10	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	4	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	4	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	4	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	4	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	10	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	10	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	10	1.27
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	10	1.27
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	7	1.27
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	4	1.27
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	4	1.27
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	4	1.27
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	16	1.27
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	16	1.27
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	16	1.27
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	7	1.27
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	7	1.27
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	7	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG21	16	1.27
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG22	16	1.27
(1,1497)	1:179:A:THR:H	1:179:A:THR:HG23	16	1.27
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	13	1.27
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	4	1.27
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	4	1.27
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	13	1.27
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	13	1.27
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	12	1.27
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	12	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	13	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	13	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	13	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	15	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	15	1.27
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	15	1.27
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	13	1.27
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	1	1.27
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	1	1.27
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	1	1.27
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	3	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	3	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	3	1.27
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	15	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	15	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	15	1.27
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	16	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	16	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	16	1.27
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	17	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	17	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	17	1.27
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	18	1.27
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	18	1.27
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	18	1.27
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	1	1.27
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	15	1.27
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	20	1.27
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	8	1.27
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	8	1.27
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	8	1.27
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	13	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	13	1.27
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	5	1.27
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	5	1.27
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	20	1.27
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	20	1.27
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	6	1.27
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	6	1.27
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	2	1.27
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	2	1.27
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	1	1.27
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	1	1.27
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	13	1.27
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	15	1.27
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	6	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	4	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	4	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	4	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	4	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	10	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	10	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	10	1.27
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	10	1.27
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	12	1.27
(1,897)	1:19:A:LEU:H	1:20:A:LYS:H	15	1.27
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	7	1.27
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	7	1.27
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	7	1.27
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	7	1.27
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	5	1.27
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	5	1.27
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	5	1.27
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	5	1.27
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	5	1.27
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	5	1.27
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	10	1.27
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	10	1.27
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	10	1.27
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	10	1.27
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	10	1.27
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	10	1.27
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	2	1.27
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	2	1.27
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	19	1.27
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	19	1.27
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	19	1.27
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	1	1.27
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	1	1.27
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	1	1.27
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	3	1.27
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	3	1.27
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	3	1.27
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	1	1.27
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	1	1.27
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	1	1.27
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	17	1.27
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	17	1.27
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	17	1.27
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	17	1.27
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	17	1.27
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	17	1.27
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	17	1.27
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	17	1.27
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	17	1.27
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	10	1.27
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	10	1.27
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	10	1.27
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	10	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	7	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	7	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	7	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	12	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	12	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	12	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG21	19	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG22	19	1.27
(1,734)	1:103:A:ILE:H	1:103:A:ILE:HG23	19	1.27
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	13	1.27
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	13	1.27
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	12	1.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	1	1.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	1	1.27
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	1	1.27
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	1	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	1	1.27
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	1	1.27
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	5	1.27
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	10	1.27
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	16	1.27
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	16	1.27
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	16	1.27
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	16	1.27
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	2	1.27
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	17	1.27
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	19	1.27
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	19	1.27
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	19	1.27
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	14	1.27
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	14	1.27
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	8	1.27
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	8	1.27
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	8	1.27
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	8	1.27
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	8	1.27
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	8	1.27
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	3	1.27
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	3	1.27
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	3	1.27
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	3	1.27
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	3	1.27
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	3	1.27
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	7	1.27
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	20	1.27
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	2	1.27
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	10	1.27
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	12	1.27
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	7	1.27
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	16	1.27
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	14	1.27
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	1	1.27
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	1	1.27
(1,458)	1:237:A:LEU:HB3	1:238:A:TYR:H	13	1.27
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	3	1.27
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	3	1.27
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	3	1.27
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	6	1.27
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	6	1.27
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	13	1.27
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	13	1.27
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	20	1.27
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	20	1.27
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	19	1.27
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	19	1.27
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD11	17	1.27
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD12	17	1.27
(1,378)	1:61:A:ILE:HB	1:61:A:ILE:HD13	17	1.27
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	10	1.27
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	10	1.27
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	10	1.27
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	10	1.27
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	10	1.27
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	10	1.27
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	10	1.27
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	10	1.27
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	10	1.27
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	2	1.27
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	2	1.27
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	14	1.27
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	14	1.27
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	14	1.27
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	16	1.27
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	16	1.27
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	16	1.27
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	1.27
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	1.27
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	1.27
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	10	1.27
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	10	1.27
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	3	1.27
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	3	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	2	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	2	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	7	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	7	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	10	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	10	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	16	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	16	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	17	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	17	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	19	1.27
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	19	1.27
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	3	1.27
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	3	1.27
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	3	1.27
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	3	1.27
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	19	1.27
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	19	1.27
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	19	1.27
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	19	1.27
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	1	1.27
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	1	1.27
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	1	1.27
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	1	1.27
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	1	1.27
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	1	1.27
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	19	1.27
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	19	1.27
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	19	1.27
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	4	1.27
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	4	1.27
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	6	1.27
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	6	1.27
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	1	1.27
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	1	1.27
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	1	1.27
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	7	1.27
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	7	1.27
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	7	1.27
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	12	1.27
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	12	1.27
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	12	1.27
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	12	1.27
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	12	1.27
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	12	1.27
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	11	1.27
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	11	1.27
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	11	1.27
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	11	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	11	1.27
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	11	1.27
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	3	1.27
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	4	1.27
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	4	1.27
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	9	1.27
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	9	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	1	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	3	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	8	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	15	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	19	1.27
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	20	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	5	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	5	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	6	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	6	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	8	1.27
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	8	1.27
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	15	1.27
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD2	10	1.27
(1,68)	1:57:A:ARG:HA	1:57:A:ARG:HD3	10	1.27
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	6	1.27
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	16	1.27
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	19	1.27
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	19	1.27
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	19	1.27
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	19	1.27
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	6	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	6	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	6	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	12	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	12	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	12	1.26
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	1	1.26
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	1	1.26
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	1	1.26
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	17	1.26
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	17	1.26
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	17	1.26
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	20	1.26
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	20	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	1	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	1	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	1	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	1	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	1	1.26
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	1	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	3	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	3	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	3	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	8	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	8	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	8	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	15	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	15	1.26
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	15	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	1	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	1	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	1	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	3	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	3	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	3	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	4	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	4	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	4	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	5	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	5	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	5	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	6	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	6	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	6	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	8	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	8	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	8	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	9	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	9	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	9	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD21	16	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD22	16	1.26
(1,2143)	1:200:A:LEU:HB2	1:200:A:LEU:HD23	16	1.26
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	10	1.26
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	10	1.26
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	18	1.26
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	18	1.26
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	18	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	5	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	5	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	5	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	5	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	14	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	14	1.26
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	14	1.26
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	14	1.26
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	10	1.26
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	10	1.26
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	10	1.26
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	10	1.26
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	10	1.26
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	10	1.26
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD21	11	1.26
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD22	11	1.26
(1,2052)	1:24:A:LEU:HA	1:24:A:LEU:HD23	11	1.26
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	11	1.26
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	11	1.26
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	11	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	1	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	1	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	1	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	16	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	16	1.26
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	16	1.26
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	1	1.26
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	1	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	7	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	7	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	7	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	10	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	10	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	10	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	15	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	15	1.26
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	15	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	3	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	3	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	3	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	3	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	3	1.26
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	3	1.26
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	5	1.26
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	5	1.26
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	5	1.26
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	5	1.26
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	5	1.26
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	5	1.26
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	5	1.26
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	5	1.26
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	5	1.26
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	2	1.26
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	2	1.26
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	2	1.26
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	4	1.26
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	4	1.26
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	4	1.26
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	16	1.26
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	16	1.26
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	16	1.26
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	19	1.26
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	19	1.26
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	19	1.26
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	17	1.26
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	17	1.26
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	17	1.26
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	11	1.26
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	11	1.26
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	20	1.26
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	20	1.26
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	20	1.26
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	20	1.26
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	20	1.26
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	20	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	18	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	18	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	18	1.26
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	18	1.26
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	18	1.26
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	18	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	18	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	18	1.26
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	18	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	5	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	5	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	5	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	12	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	12	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	12	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	18	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	18	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	18	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	19	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	19	1.26
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	19	1.26
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	10	1.26
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	10	1.26
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	10	1.26
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	2	1.26
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	2	1.26
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	2	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	2	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	2	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	2	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	16	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	16	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	16	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG21	20	1.26
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG22	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1808)	1:58:A:VAL:HA	1:58:A:VAL:HG23	20	1.26
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	7	1.26
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	13	1.26
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	16	1.26
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	9	1.26
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	2	1.26
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	9	1.26
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	3	1.26
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	3	1.26
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	8	1.26
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	8	1.26
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	8	1.26
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	7	1.26
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	7	1.26
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	2	1.26
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	2	1.26
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	7	1.26
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	7	1.26
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	16	1.26
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	16	1.26
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	14	1.26
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	1	1.26
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	1	1.26
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	9	1.26
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	9	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	12	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	12	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	14	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	14	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	19	1.26
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	19	1.26
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	1	1.26
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	8	1.26
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	10	1.26
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	11	1.26
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	11	1.26
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	1	1.26
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	1	1.26
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	5	1.26
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	5	1.26
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	5	1.26
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	7	1.26
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	7	1.26
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	17	1.26
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	19	1.26
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	1	1.26
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	2	1.26
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	15	1.26
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	8	1.26
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	8	1.26
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	8	1.26
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	4	1.26
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	4	1.26
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	18	1.26
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	18	1.26
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	18	1.26
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	18	1.26
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	10	1.26
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	10	1.26
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	6	1.26
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	6	1.26
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	6	1.26
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	7	1.26
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	7	1.26
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	7	1.26
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	18	1.26
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	18	1.26
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	18	1.26
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	19	1.26
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	19	1.26
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	19	1.26
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	12	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	5	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	5	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	10	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	10	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	11	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	11	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	19	1.26
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	19	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	2	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	4	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	6	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	7	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	10	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	11	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	15	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	17	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	18	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	19	1.26
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	20	1.26
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	1	1.26
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	8	1.26
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	8	1.26
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	13	1.26
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	13	1.26
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	13	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	1	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	1	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	1	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	4	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	4	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	4	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	9	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	9	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	9	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	10	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	10	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	10	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	11	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	11	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	11	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	13	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	13	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	13	1.26
(1,1421)	1:142:A:ALA:HB1	1:143:A:HIS:H	19	1.26
(1,1421)	1:142:A:ALA:HB2	1:143:A:HIS:H	19	1.26
(1,1421)	1:142:A:ALA:HB3	1:143:A:HIS:H	19	1.26
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	18	1.26
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	18	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	2	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	3	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	4	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	5	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	9	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	10	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	11	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	12	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	14	1.26
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	18	1.26
(1,1394)	1:91:A:TYR:HA	1:134:A:ILE:H	15	1.26
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	1	1.26
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	1	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	4	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	4	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	4	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	7	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	7	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	7	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	13	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	13	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	13	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	18	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	18	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	18	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	19	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	19	1.26
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	19	1.26
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	3	1.26
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	16	1.26
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	16	1.26
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	15	1.26
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	15	1.26
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	15	1.26
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	12	1.26
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	12	1.26
(1,1277)	1:101:A:PRO:HG2	1:104:A:THR:H	19	1.26
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	1	1.26
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	1	1.26
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	5	1.26
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	5	1.26
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	5	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	4	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	5	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	6	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	7	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	9	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	10	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	14	1.26
(1,1185)	1:9:A:GLU:H	1:10:A:LEU:H	18	1.26
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	10	1.26
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	7	1.26
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	7	1.26
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	19	1.26
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	19	1.26
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	15	1.26
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	15	1.26
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	15	1.26
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	15	1.26
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	18	1.26
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	18	1.26
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	18	1.26
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	18	1.26
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	8	1.26
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	15	1.26
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	15	1.26
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	13	1.26
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	13	1.26
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	20	1.26
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	20	1.26
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	20	1.26
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	20	1.26
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	18	1.26
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	18	1.26
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	18	1.26
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	18	1.26
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	18	1.26
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	18	1.26
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	19	1.26
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	19	1.26
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	19	1.26
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	19	1.26
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	19	1.26
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	19	1.26
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	19	1.26
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	19	1.26
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	19	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	2	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	2	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	2	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	2	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	2	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	2	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	15	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	15	1.26
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	15	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	15	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	15	1.26
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	15	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	10	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	10	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	10	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	15	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	15	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	15	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	18	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	18	1.26
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	18	1.26
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	5	1.26
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	5	1.26
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	5	1.26
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	12	1.26
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	12	1.26
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	12	1.26
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	5	1.26
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	5	1.26
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	5	1.26
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	11	1.26
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	11	1.26
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	11	1.26
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	20	1.26
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	20	1.26
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	20	1.26
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	8	1.26
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	8	1.26
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	8	1.26
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	8	1.26
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	5	1.26
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	5	1.26
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	5	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	5	1.26
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	12	1.26
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	12	1.26
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	18	1.26
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	18	1.26
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	18	1.26
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	18	1.26
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	18	1.26
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	18	1.26
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD11	17	1.26
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD12	17	1.26
(1,681)	1:61:A:ILE:HB	1:61:A:ILE:HD13	17	1.26
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	3	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	1	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	1	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	1	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	1	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	1	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	1	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	18	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	18	1.26
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	18	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	18	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	18	1.26
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	18	1.26
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	1	1.26
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	4	1.26
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	4	1.26
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	4	1.26
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	6	1.26
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	6	1.26
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	6	1.26
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	2	1.26
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	3	1.26
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	10	1.26
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	13	1.26
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	20	1.26
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	1	1.26
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	12	1.26
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	18	1.26
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	10	1.26
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	10	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	10	1.26
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	10	1.26
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	6	1.26
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	6	1.26
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	6	1.26
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	6	1.26
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	6	1.26
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	6	1.26
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	19	1.26
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	19	1.26
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	19	1.26
(1,412)	1:134:A:ILE:H	1:134:A:ILE:HB	10	1.26
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	8	1.26
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	8	1.26
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	8	1.26
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	8	1.26
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	8	1.26
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	8	1.26
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	8	1.26
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB1	20	1.26
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB2	20	1.26
(1,395)	1:90:A:THR:HB	1:132:A:ALA:HB3	20	1.26
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	6	1.26
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	6	1.26
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	15	1.26
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	15	1.26
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	16	1.26
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	16	1.26
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	16	1.26
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	4	1.26
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	4	1.26
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	4	1.26
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	1	1.26
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	1	1.26
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	1	1.26
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	1	1.26
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	1	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	1	1.26
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	3	1.26
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	3	1.26
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	16	1.26
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	16	1.26
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	19	1.26
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	19	1.26
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	20	1.26
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	20	1.26
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	6	1.26
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	6	1.26
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	19	1.26
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	19	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	5	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	5	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	11	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	11	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	13	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	13	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	14	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	14	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	18	1.26
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	18	1.26
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG21	10	1.26
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG22	10	1.26
(1,260)	1:100:A:LEU:HB3	1:104:A:THR:HG23	10	1.26
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	16	1.26
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	16	1.26
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	9	1.26
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	9	1.26
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	9	1.26
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	9	1.26
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	9	1.26
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	9	1.26
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	2	1.26
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	2	1.26
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	2	1.26
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	2	1.26
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	2	1.26
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	2	1.26
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	11	1.26
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	11	1.26
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	11	1.26
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	11	1.26
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	11	1.26
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	9	1.26
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	18	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	2	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	4	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	9	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	10	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	13	1.26
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	16	1.26
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	20	1.26
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	20	1.26
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	20	1.26
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	20	1.26
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	5	1.26
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	5	1.26
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	10	1.26
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	10	1.26
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	16	1.26
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	16	1.26
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	20	1.26
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	20	1.26
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	20	1.26
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	20	1.26
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	16	1.26
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	16	1.26
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	16	1.26
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	16	1.26
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	17	1.26
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	17	1.26
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	2	1.25
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	2	1.25
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	2	1.25
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	20	1.25
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	20	1.25
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	20	1.25
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	8	1.25
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	8	1.25
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	8	1.25
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	6	1.25
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	6	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	1	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	1	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	1	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	2	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	2	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	2	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	3	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	3	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	3	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	4	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	4	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	4	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	5	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	5	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	5	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	6	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	6	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	6	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	7	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	7	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	7	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	8	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	8	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	8	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	9	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	9	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	9	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	10	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	10	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	10	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	11	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	11	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	11	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	12	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	12	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	12	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	13	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	13	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	13	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	14	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	14	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	15	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	15	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	15	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	16	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	16	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	16	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	17	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	17	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	17	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	18	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	18	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	18	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	19	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	19	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	19	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG21	20	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG22	20	1.25
(1,2116)	1:127:A:VAL:HA	1:127:A:VAL:HG23	20	1.25
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG11	5	1.25
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG12	5	1.25
(1,2082)	1:90:A:THR:HG21	1:127:A:VAL:HG13	5	1.25
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG11	5	1.25
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG12	5	1.25
(1,2082)	1:90:A:THR:HG22	1:127:A:VAL:HG13	5	1.25
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG11	5	1.25
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG12	5	1.25
(1,2082)	1:90:A:THR:HG23	1:127:A:VAL:HG13	5	1.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD11	4	1.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD12	4	1.25
(1,2048)	1:15:A:ALA:HB1	1:54:A:LEU:HD13	4	1.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD11	4	1.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD12	4	1.25
(1,2048)	1:15:A:ALA:HB2	1:54:A:LEU:HD13	4	1.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD11	4	1.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD12	4	1.25
(1,2048)	1:15:A:ALA:HB3	1:54:A:LEU:HD13	4	1.25
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	1	1.25
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	1	1.25
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	1	1.25
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	6	1.25
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	6	1.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD11	11	1.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD12	11	1.25
(1,2038)	1:89:A:VAL:HG11	1:134:A:ILE:HD13	11	1.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD11	11	1.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD12	11	1.25
(1,2038)	1:89:A:VAL:HG12	1:134:A:ILE:HD13	11	1.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD11	11	1.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD12	11	1.25
(1,2038)	1:89:A:VAL:HG13	1:134:A:ILE:HD13	11	1.25
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	6	1.25
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	6	1.25
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	6	1.25
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	8	1.25
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	8	1.25
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	8	1.25
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	9	1.25
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	9	1.25
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	2	1.25
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	2	1.25
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	2	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	11	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	11	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	11	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	17	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	17	1.25
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	17	1.25
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	18	1.25
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	18	1.25
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	18	1.25
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	18	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	18	1.25
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	18	1.25
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	18	1.25
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	18	1.25
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	18	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	11	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	11	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	11	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	11	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	11	1.25
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	11	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	9	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	9	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	9	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	9	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	9	1.25
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	9	1.25
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	3	1.25
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	3	1.25
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	3	1.25
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	3	1.25
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	3	1.25
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	3	1.25
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	3	1.25
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	3	1.25
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	3	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	19	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	19	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	19	1.25
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD11	19	1.25
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD12	19	1.25
(1,1910)	1:48:A:LEU:HB2	1:48:A:LEU:HD13	19	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	19	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	19	1.25
(1,1910)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	19	1.25
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	17	1.25
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	17	1.25
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	17	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	2	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	2	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	2	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	2	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	2	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	2	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	2	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	2	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	5	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	5	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	5	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	5	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	5	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	5	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	5	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	5	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	5	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	12	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	12	1.25
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	12	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	12	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	12	1.25
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	12	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	12	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	12	1.25
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	12	1.25
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	15	1.25
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	15	1.25
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	15	1.25
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	15	1.25
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	15	1.25
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	15	1.25
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	8	1.25
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	8	1.25
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	8	1.25
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	8	1.25
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	8	1.25
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	8	1.25
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	9	1.25
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	9	1.25
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	9	1.25
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	9	1.25
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	9	1.25
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	9	1.25
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	15	1.25
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	15	1.25
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	15	1.25
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	15	1.25
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	15	1.25
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	17	1.25
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	17	1.25
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	17	1.25
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	17	1.25
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	17	1.25
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	17	1.25
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	17	1.25
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	17	1.25
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	17	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	1	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	1	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	1	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	2	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	2	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	2	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	3	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	3	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	3	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	4	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	4	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	4	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	5	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	5	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	5	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	6	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	6	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	6	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	7	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	7	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	7	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	8	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	8	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	8	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	9	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	9	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	9	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	10	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	10	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	10	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	11	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	11	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	11	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	12	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	12	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	12	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	13	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	13	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	13	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	14	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	14	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	14	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	15	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	15	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	15	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	16	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	16	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	16	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	17	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	17	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	17	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	18	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	18	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	18	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	19	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	19	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	19	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG21	20	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG22	20	1.25
(1,1819)	1:127:A:VAL:HA	1:127:A:VAL:HG23	20	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD11	11	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD12	11	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD13	11	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD21	11	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD22	11	1.25
(1,1815)	1:112:A:ALA:HA	1:189:A:LEU:HD23	11	1.25
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	13	1.25
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	13	1.25
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	13	1.25
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	20	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	20	1.25
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	20	1.25
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	18	1.25
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	18	1.25
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	18	1.25
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	18	1.25
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	4	1.25
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	8	1.25
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	10	1.25
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	1	1.25
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	1	1.25
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB2	13	1.25
(1,1706)	1:60:A:GLU:H	1:60:A:GLU:HB3	13	1.25
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	19	1.25
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	8	1.25
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	11	1.25
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	11	1.25
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	20	1.25
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	20	1.25
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	9	1.25
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	13	1.25
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	14	1.25
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	15	1.25
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	19	1.25
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	19	1.25
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	19	1.25
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	11	1.25
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	15	1.25
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	19	1.25
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	14	1.25
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	4	1.25
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	4	1.25
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	9	1.25
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	9	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	8	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	8	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	8	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	8	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	14	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	14	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	14	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	18	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	18	1.25
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	18	1.25
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	18	1.25
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	7	1.25
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	8	1.25
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	16	1.25
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	3	1.25
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	3	1.25
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	10	1.25
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	10	1.25
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	11	1.25
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	11	1.25
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	6	1.25
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	6	1.25
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	6	1.25
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	3	1.25
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	3	1.25
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	5	1.25
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	5	1.25
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	1	1.25
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	9	1.25
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	13	1.25
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	13	1.25
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	13	1.25
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	17	1.25
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	17	1.25
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	18	1.25
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	18	1.25
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	6	1.25
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	6	1.25
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	15	1.25
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	15	1.25
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	14	1.25
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	3	1.25
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	3	1.25
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	20	1.25
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	17	1.25
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	17	1.25
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	17	1.25
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	2	1.25
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	2	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	2	1.25
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	19	1.25
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	19	1.25
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	19	1.25
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	12	1.25
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	10	1.25
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	11	1.25
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	12	1.25
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	2	1.25
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	2	1.25
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	6	1.25
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	7	1.25
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	13	1.25
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	17	1.25
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	15	1.25
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	15	1.25
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	15	1.25
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	19	1.25
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	19	1.25
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	19	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	3	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	3	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	3	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	6	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	6	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	6	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	8	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	8	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	8	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	9	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	9	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	9	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	11	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	11	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	11	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	12	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	12	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	12	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	16	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	16	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	16	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	17	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	17	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	17	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.25
(1,1382)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.25
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	7	1.25
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	14	1.25
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	16	1.25
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	19	1.25
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	4	1.25
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	4	1.25
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	8	1.25
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	8	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	7	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	7	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	9	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	9	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	12	1.25
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	12	1.25
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	19	1.25
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	19	1.25
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	4	1.25
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	4	1.25
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	4	1.25
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	8	1.25
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	8	1.25
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	3	1.25
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	3	1.25
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	3	1.25
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	2	1.25
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	1	1.25
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	10	1.25
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	10	1.25
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	10	1.25
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	10	1.25
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	13	1.25
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	13	1.25
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	13	1.25
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	13	1.25
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	1	1.25
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	1	1.25
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	1	1.25
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	1	1.25
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	1	1.25
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	1	1.25
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	1	1.25
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	1	1.25
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	10	1.25
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	10	1.25
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	10	1.25
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	10	1.25
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	10	1.25
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	10	1.25
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	10	1.25
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	10	1.25
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	10	1.25
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	1	1.25
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	1	1.25
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	1	1.25
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	11	1.25
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	11	1.25
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	11	1.25
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	17	1.25
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	17	1.25
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	17	1.25
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	18	1.25
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	18	1.25
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	18	1.25
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	15	1.25
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	15	1.25
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	15	1.25
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	15	1.25
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	8	1.25
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	8	1.25
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	4	1.25
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	4	1.25
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	18	1.25
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	18	1.25
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	9	1.25
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	9	1.25
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	14	1.25
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	14	1.25
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	14	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	14	1.25
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	3	1.25
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	3	1.25
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	14	1.25
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	14	1.25
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	14	1.25
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	14	1.25
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.25
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.25
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	20	1.25
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	20	1.25
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	4	1.25
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	4	1.25
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	4	1.25
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	4	1.25
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	4	1.25
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	4	1.25
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	10	1.25
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	10	1.25
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	10	1.25
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	10	1.25
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	10	1.25
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	10	1.25
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	14	1.25
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	14	1.25
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	11	1.25
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	11	1.25
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	11	1.25
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	11	1.25
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	11	1.25
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	11	1.25
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	11	1.25
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	14	1.25
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	19	1.25
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	16	1.25
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	8	1.25
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	12	1.25
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	12	1.25
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	2	1.25
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	1	1.25
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	1	1.25
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	17	1.25
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	17	1.25
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	17	1.25
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	4	1.25
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	12	1.25
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	12	1.25
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	12	1.25
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	14	1.25
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB2	20	1.25
(1,382)	1:22:A:PHE:H	1:22:A:PHE:HB3	20	1.25
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	1	1.25
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	1	1.25
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	7	1.25
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	7	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	5	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	5	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	5	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	5	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	5	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	5	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	10	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	10	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	10	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	10	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	10	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	10	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	19	1.25
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	19	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	19	1.25
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	19	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	19	1.25
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	19	1.25
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	18	1.25
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	18	1.25
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	18	1.25
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	18	1.25
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	18	1.25
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	18	1.25
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	19	1.25
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	19	1.25
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	19	1.25
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	19	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	19	1.25
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	19	1.25
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	5	1.25
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	5	1.25
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	5	1.25
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	1	1.25
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	1	1.25
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	1	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	3	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	3	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	12	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	12	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	15	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	15	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB2	20	1.25
(1,277)	1:108:A:LEU:HA	1:111:A:LYS:HB3	20	1.25
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	4	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	4	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	4	1.25
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	4	1.25
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	8	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	8	1.25
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	8	1.25
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	8	1.25
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	13	1.25
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	13	1.25
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	4	1.25
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	4	1.25
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	4	1.25
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	8	1.25
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	8	1.25
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	8	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	10	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	10	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	10	1.25
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	10	1.25
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	10	1.25
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	10	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	11	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	11	1.25
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	11	1.25
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	11	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	11	1.25
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	11	1.25
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	13	1.25
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	13	1.25
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	13	1.25
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	10	1.25
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	10	1.25
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	10	1.25
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	2	1.25
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	2	1.25
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	2	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	1	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	1	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	1	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	1	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	10	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	10	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	10	1.25
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	10	1.25
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	13	1.25
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	13	1.25
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	13	1.25
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	13	1.25
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	13	1.25
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	13	1.25
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	19	1.25
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	19	1.25
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	19	1.25
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	4	1.25
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	4	1.25
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	4	1.25
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	8	1.25
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	16	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	2	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	2	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	6	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	6	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	7	1.25
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	7	1.25
(1,118)	1:152:A:PRO:HA	1:153:A:GLY:H	11	1.25
(1,113)	1:116:A:TRP:HA	1:116:A:TRP:HE3	10	1.25
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	1	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	14	1.25
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	14	1.25
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	12	1.25
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	12	1.25
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	2	1.25
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	2	1.25
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	1	1.25
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	1	1.25
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	4	1.25
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	4	1.25
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	3	1.25
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	3	1.25
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	3	1.25
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	14	1.25
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	14	1.25
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	18	1.24
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	18	1.24
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	18	1.24
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	18	1.24
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	18	1.24
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	18	1.24
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	18	1.24
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	18	1.24
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	18	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	4	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	4	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	4	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	13	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	13	1.24
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	13	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	2	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	2	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	2	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	2	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	10	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	10	1.24
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	10	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	10	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	10	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	10	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	10	1.24
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	10	1.24
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	3	1.24
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	3	1.24
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	3	1.24
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	3	1.24
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	3	1.24
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	3	1.24
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	12	1.24
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	12	1.24
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	12	1.24
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	12	1.24
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	12	1.24
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	12	1.24
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	10	1.24
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	10	1.24
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	10	1.24
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	10	1.24
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	10	1.24
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	10	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	7	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	7	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	7	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	16	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	16	1.24
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	16	1.24
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG21	19	1.24
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG22	19	1.24
(1,2035)	1:128:A:VAL:H	1:128:A:VAL:HG23	19	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	18	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	18	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	18	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	20	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	20	1.24
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	20	1.24
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD11	2	1.24
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD12	2	1.24
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD13	2	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD21	2	1.24
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD22	2	1.24
(1,2009)	1:35:A:LEU:HA	1:35:A:LEU:HD23	2	1.24
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	2	1.24
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	2	1.24
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	2	1.24
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG21	4	1.24
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG22	4	1.24
(1,1973)	1:48:A:LEU:HD11	1:58:A:VAL:HG23	4	1.24
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG21	4	1.24
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG22	4	1.24
(1,1973)	1:48:A:LEU:HD12	1:58:A:VAL:HG23	4	1.24
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG21	4	1.24
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG22	4	1.24
(1,1973)	1:48:A:LEU:HD13	1:58:A:VAL:HG23	4	1.24
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	8	1.24
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	8	1.24
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	8	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	8	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	8	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	8	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	17	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	17	1.24
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	17	1.24
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	18	1.24
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	18	1.24
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	18	1.24
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	14	1.24
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	14	1.24
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	14	1.24
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	14	1.24
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	14	1.24
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	14	1.24
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	16	1.24
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	16	1.24
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	16	1.24
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	16	1.24
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	16	1.24
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	16	1.24
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	16	1.24
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	16	1.24
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	4	1.24
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	4	1.24
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	4	1.24
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	4	1.24
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	4	1.24
(1,1905)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	4	1.24
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD21	4	1.24
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD22	4	1.24
(1,1905)	1:48:A:LEU:HB3	1:48:A:LEU:HD23	4	1.24
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	13	1.24
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	13	1.24
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	13	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	1	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	1	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	1	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	7	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	7	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	7	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	14	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	14	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	14	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	15	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	15	1.24
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	15	1.24
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	11	1.24
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	11	1.24
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	11	1.24
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	11	1.24
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	11	1.24
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	11	1.24
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	11	1.24
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	11	1.24
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	11	1.24
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	3	1.24
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	3	1.24
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	3	1.24
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	3	1.24
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	3	1.24
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	3	1.24
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	3	1.24
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	3	1.24
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	3	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	10	1.24
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	10	1.24
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	10	1.24
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	6	1.24
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	6	1.24
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	6	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	1	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	1	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	1	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	3	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	3	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	3	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	8	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	8	1.24
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	8	1.24
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	2	1.24
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	6	1.24
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	20	1.24
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	20	1.24
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	14	1.24
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	14	1.24
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	2	1.24
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	2	1.24
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	9	1.24
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	9	1.24
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	11	1.24
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	11	1.24
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	20	1.24
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	20	1.24
(1,1728)	1:72:A:VAL:HA	1:73:A:ALA:H	19	1.24
(1,1725)	1:70:A:PRO:HB2	1:72:A:VAL:H	15	1.24
(1,1725)	1:70:A:PRO:HB3	1:72:A:VAL:H	15	1.24
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	18	1.24
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	8	1.24
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	8	1.24
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	1	1.24
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	12	1.24
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	20	1.24
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	8	1.24
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	8	1.24
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	20	1.24
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	20	1.24
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	9	1.24
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	11	1.24
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	18	1.24
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	18	1.24
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	18	1.24
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	18	1.24
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	18	1.24
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	1	1.24
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	1	1.24
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	1	1.24
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	1	1.24
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	13	1.24
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	13	1.24
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	13	1.24
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	13	1.24
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	19	1.24
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	19	1.24
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	7	1.24
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	7	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	6	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	6	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	6	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	16	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	16	1.24
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	16	1.24
(1,1542)	1:198:A:HIS:H	1:198:A:HIS:HB2	12	1.24
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	12	1.24
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	12	1.24
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	10	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	5	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	5	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	5	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	6	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	6	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	6	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	8	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	8	1.24
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	8	1.24
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	14	1.24
(1,1480)	1:157:A:ALA:HA	1:173:A:ASP:H	9	1.24
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	13	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	8	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	8	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	8	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	9	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	9	1.24
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	9	1.24
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	15	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	10	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	10	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	10	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	15	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	15	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	15	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	18	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	18	1.24
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	18	1.24
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	19	1.24
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	19	1.24
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	5	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	1	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	3	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	5	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	14	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	16	1.24
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	18	1.24
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	8	1.24
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	8	1.24
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	9	1.24
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	9	1.24
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	9	1.24
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	5	1.24
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	5	1.24
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	7	1.24
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	7	1.24
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	11	1.24
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	11	1.24
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB2	19	1.24
(1,1273)	1:204:A:HIS:H	1:204:A:HIS:HB3	19	1.24
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	1	1.24
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	3	1.24
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	16	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	4	1.24
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	4	1.24
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	3	1.24
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	11	1.24
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	11	1.24
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	4	1.24
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	12	1.24
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	7	1.24
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	17	1.24
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	10	1.24
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	1	1.24
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	1	1.24
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	1	1.24
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	17	1.24
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	17	1.24
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	2	1.24
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	2	1.24
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	2	1.24
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	2	1.24
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	3	1.24
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	3	1.24
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	7	1.24
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	7	1.24
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	7	1.24
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	7	1.24
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	7	1.24
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	7	1.24
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	7	1.24
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	7	1.24
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	7	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	1	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	1	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	1	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	1	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	1	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	1	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	8	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	8	1.24
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	8	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	8	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	8	1.24
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	8	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	15	1.24
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	15	1.24
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	15	1.24
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	15	1.24
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	15	1.24
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	15	1.24
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	6	1.24
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	6	1.24
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	6	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	3	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	3	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	3	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	9	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	9	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	9	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	14	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	14	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	14	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	17	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	17	1.24
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	17	1.24
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	2	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	2	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	2	1.24
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	4	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	4	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	4	1.24
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	8	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	8	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	8	1.24
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	9	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	9	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	9	1.24
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	10	1.24
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	10	1.24
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	10	1.24
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	19	1.24
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	19	1.24
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	19	1.24
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	19	1.24
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	19	1.24
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	19	1.24
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	19	1.24
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	19	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	1	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	1	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	1	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	1	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	2	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	2	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	2	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	2	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	4	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	4	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	4	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	4	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	5	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	5	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	5	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	5	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	6	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	6	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	6	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	6	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	10	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	10	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	10	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	10	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	12	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	12	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	12	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	12	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	14	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	14	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	14	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	14	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	19	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	19	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	19	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	19	1.24
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	20	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	20	1.24
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	20	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	20	1.24
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	2	1.24
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	2	1.24
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	2	1.24
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	2	1.24
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	17	1.24
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	17	1.24
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	17	1.24
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	17	1.24
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	8	1.24
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	8	1.24
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	8	1.24
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	8	1.24
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	8	1.24
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	8	1.24
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	7	1.24
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	7	1.24
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	7	1.24
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	7	1.24
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	13	1.24
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	13	1.24
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	13	1.24
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	13	1.24
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	13	1.24
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	13	1.24
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	13	1.24
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	13	1.24
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	13	1.24
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	8	1.24
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	7	1.24
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	7	1.24
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	7	1.24
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	7	1.24
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	7	1.24
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	7	1.24
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	19	1.24
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	19	1.24
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	10	1.24
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	5	1.24
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	12	1.24
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	16	1.24
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	17	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	18	1.24
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	5	1.24
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	6	1.24
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	9	1.24
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	9	1.24
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	17	1.24
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	15	1.24
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	15	1.24
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	15	1.24
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	15	1.24
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	11	1.24
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	11	1.24
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	11	1.24
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	11	1.24
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	11	1.24
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	11	1.24
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	11	1.24
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	11	1.24
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	11	1.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	19	1.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	19	1.24
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	19	1.24
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	12	1.24
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	12	1.24
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	12	1.24
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	12	1.24
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	6	1.24
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	6	1.24
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	12	1.24
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	12	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	2	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	2	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	2	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	2	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	2	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	2	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	4	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	4	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	4	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	4	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	4	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	7	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	7	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	7	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	7	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	7	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	7	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	12	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	12	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	12	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	12	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	12	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	12	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	20	1.24
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	20	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	20	1.24
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	20	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	20	1.24
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	20	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	3	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	3	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	3	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	3	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	3	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	3	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	6	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	6	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	6	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	6	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	6	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	6	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	15	1.24
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	15	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	15	1.24
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	15	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	15	1.24
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	15	1.24
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	3	1.24
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	3	1.24
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	9	1.24
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	9	1.24
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	9	1.24
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	9	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	20	1.24
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	20	1.24
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	8	1.24
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	8	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	11	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	11	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	11	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	18	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	18	1.24
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	18	1.24
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	18	1.24
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	18	1.24
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	16	1.24
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	16	1.24
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	16	1.24
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	16	1.24
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	16	1.24
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	16	1.24
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	15	1.24
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	15	1.24
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	15	1.24
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	15	1.24
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	15	1.24
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	15	1.24
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	3	1.24
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	3	1.24
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	3	1.24
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	8	1.24
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	8	1.24
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	8	1.24
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	8	1.24
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	20	1.24
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	20	1.24
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	20	1.24
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	20	1.24
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	20	1.24
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	20	1.24
(1,179)	1:202:A:MET:HE1	1:234:A:ILE:H	20	1.24
(1,179)	1:202:A:MET:HE2	1:234:A:ILE:H	20	1.24
(1,179)	1:202:A:MET:HE3	1:234:A:ILE:H	20	1.24
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	3	1.24
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	3	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	3	1.24
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	5	1.24
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	5	1.24
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	5	1.24
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	12	1.24
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	2	1.24
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	20	1.24
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	11	1.24
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	11	1.24
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	3	1.24
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	16	1.24
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	4	1.24
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	4	1.24
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	1	1.24
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	1	1.24
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	20	1.24
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	20	1.24
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	6	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	1	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	3	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	4	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	5	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	7	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	10	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	11	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	12	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	13	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	16	1.24
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	17	1.24
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	8	1.24
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	9	1.24
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	9	1.24
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	19	1.24
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	19	1.24
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	8	1.24
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	8	1.24
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	11	1.24
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	11	1.24
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	13	1.24
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	13	1.24
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	10	1.23
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	10	1.23
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	4	1.23
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	4	1.23
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	4	1.23
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.23
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.23
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.23
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	18	1.23
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	18	1.23
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	18	1.23
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	16	1.23
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	16	1.23
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	16	1.23
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	16	1.23
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	16	1.23
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	16	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	5	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	5	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	5	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	7	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	7	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	7	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	10	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	10	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	10	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	14	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	14	1.23
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	14	1.23
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	8	1.23
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	8	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	10	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	10	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	10	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	12	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	12	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	12	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	13	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	13	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	13	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	19	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	19	1.23
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	19	1.23
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	16	1.23
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	16	1.23
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	16	1.23
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	16	1.23
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	16	1.23
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	16	1.23
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	16	1.23
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	16	1.23
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	16	1.23
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	4	1.23
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	4	1.23
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	4	1.23
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	20	1.23
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	20	1.23
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	20	1.23
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	14	1.23
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	14	1.23
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	14	1.23
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	3	1.23
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	3	1.23
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	3	1.23
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	14	1.23
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	14	1.23
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	14	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	11	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	11	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	11	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	13	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	13	1.23
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	13	1.23
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	5	1.23
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	5	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	5	1.23
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	20	1.23
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	20	1.23
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	20	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	11	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	11	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	11	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	16	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	16	1.23
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	16	1.23
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	2	1.23
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	2	1.23
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	2	1.23
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	2	1.23
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	2	1.23
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	2	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	4	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	4	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	4	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	6	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	6	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	6	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	8	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	8	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	8	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	16	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	16	1.23
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	16	1.23
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	14	1.23
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	14	1.23
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	14	1.23
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	14	1.23
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	14	1.23
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	14	1.23
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	20	1.23
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	20	1.23
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	20	1.23
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	3	1.23
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	3	1.23
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	3	1.23
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	14	1.23
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	14	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	14	1.23
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	4	1.23
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	4	1.23
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	4	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	4	1.23
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	10	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	10	1.23
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	15	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	15	1.23
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	16	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	16	1.23
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	19	1.23
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	19	1.23
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	5	1.23
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	5	1.23
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	15	1.23
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	15	1.23
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	8	1.23
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	8	1.23
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB2	17	1.23
(1,1682)	1:46:A:PHE:H	1:46:A:PHE:HB3	17	1.23
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	19	1.23
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	10	1.23
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	10	1.23
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	10	1.23
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	3	1.23
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	12	1.23
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	17	1.23
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	3	1.23
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	3	1.23
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	18	1.23
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	18	1.23
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	11	1.23
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	14	1.23
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	14	1.23
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	14	1.23
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	14	1.23
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	2	1.23
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	2	1.23
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	2	1.23
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	2	1.23
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	7	1.23
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	7	1.23
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	7	1.23
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	6	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	7	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	8	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	9	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	19	1.23
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	20	1.23
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	4	1.23
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	4	1.23
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	16	1.23
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	16	1.23
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	5	1.23
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	5	1.23
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	5	1.23
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	11	1.23
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	11	1.23
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	17	1.23
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	17	1.23
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	11	1.23
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	11	1.23
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	11	1.23
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	12	1.23
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	12	1.23
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	12	1.23
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	13	1.23
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	13	1.23
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	2	1.23
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	2	1.23
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB2	8	1.23
(1,1488)	1:176:A:GLU:H	1:176:A:GLU:HB3	8	1.23
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	14	1.23
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	10	1.23
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	10	1.23
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	10	1.23
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	6	1.23
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	6	1.23
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	15	1.23
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	20	1.23
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	3	1.23
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	3	1.23
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	2	1.23
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	2	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	4	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	6	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	9	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	10	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	11	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	13	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	14	1.23
(1,1252)	1:98:A:ARG:H	1:99:A:ASP:H	15	1.23
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	13	1.23
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	13	1.23
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	9	1.23
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	18	1.23
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	14	1.23
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	14	1.23
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	20	1.23
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	20	1.23
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	9	1.23
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	8	1.23
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	13	1.23
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	13	1.23
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	8	1.23
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	9	1.23
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	6	1.23
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	13	1.23
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	15	1.23
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	15	1.23
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	12	1.23
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	12	1.23
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	12	1.23
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	12	1.23
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	12	1.23
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	12	1.23
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	6	1.23
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	6	1.23
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	6	1.23
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	6	1.23
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	6	1.23
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	6	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	6	1.23
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	6	1.23
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	6	1.23
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	1	1.23
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	1	1.23
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	1	1.23
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	1	1.23
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	1	1.23
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	1	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	4	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	4	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	4	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	11	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	11	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	11	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	20	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	20	1.23
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	20	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	6	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	6	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	6	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	7	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	7	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	7	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	13	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	13	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	13	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	14	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	14	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	14	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	19	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	19	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	19	1.23
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	20	1.23
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	20	1.23
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	20	1.23
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	12	1.23
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	12	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	3	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	3	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	3	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	3	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	7	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	7	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	7	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	7	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	8	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	8	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	8	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	8	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	9	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	9	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	9	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	9	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	11	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	11	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	11	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	11	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	13	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	13	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	13	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	13	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	16	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	16	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	16	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	16	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	18	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	18	1.23
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	18	1.23
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	18	1.23
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	9	1.23
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	9	1.23
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	9	1.23
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	9	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	14	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	14	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	14	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	14	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	17	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	17	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	17	1.23
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	17	1.23
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	1	1.23
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	12	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	5	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	5	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	5	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	5	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	5	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	5	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	5	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	5	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	5	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	6	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	6	1.23
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	6	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	6	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	6	1.23
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	6	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	6	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	6	1.23
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	6	1.23
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	1	1.23
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	1	1.23
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	1	1.23
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	1	1.23
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	1	1.23
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	1	1.23
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE1	3	1.23
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE2	3	1.23
(1,647)	1:42:A:MET:HG2	1:42:A:MET:HE3	3	1.23
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE1	3	1.23
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE2	3	1.23
(1,647)	1:42:A:MET:HG3	1:42:A:MET:HE3	3	1.23
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	1	1.23
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	1	1.23
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	3	1.23
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	16	1.23
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	19	1.23
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	8	1.23
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	8	1.23
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	8	1.23
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	8	1.23
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	8	1.23
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	10	1.23
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	10	1.23
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	10	1.23
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	10	1.23
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	20	1.23
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	20	1.23
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	20	1.23
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	20	1.23
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	7	1.23
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	7	1.23
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	7	1.23
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	1	1.23
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	19	1.23
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	5	1.23
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	8	1.23
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	8	1.23
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	10	1.23
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	10	1.23
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	10	1.23
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	10	1.23
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	10	1.23
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	10	1.23
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	10	1.23
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	10	1.23
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	10	1.23
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	2	1.23
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	2	1.23
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	2	1.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	1	1.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	1	1.23
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	1	1.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	1	1.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	1	1.23
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	1	1.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	1	1.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	1	1.23
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	1	1.23
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	14	1.23
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	14	1.23
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	6	1.23
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	18	1.23
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	13	1.23
(1,384)	1:46:A:PHE:HB2	1:48:A:LEU:HG	5	1.23
(1,384)	1:46:A:PHE:HB3	1:48:A:LEU:HG	5	1.23
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	20	1.23
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	20	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	7	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	7	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	10	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	10	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	11	1.23
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	11	1.23
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	15	1.23
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	15	1.23
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	3	1.23
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	3	1.23
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	3	1.23
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	3	1.23
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	3	1.23
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	3	1.23
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	17	1.23
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	17	1.23
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	17	1.23
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	17	1.23
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	17	1.23
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	17	1.23
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	14	1.23
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	14	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	2	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	2	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	2	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	2	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	2	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	2	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	5	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	5	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	5	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	5	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	5	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	5	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	7	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	7	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	7	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	7	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	7	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	9	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	9	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	9	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	9	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	9	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	9	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	10	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	10	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	10	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	10	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	10	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	10	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	12	1.23
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	12	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	12	1.23
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	12	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	12	1.23
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	12	1.23
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	10	1.23
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	10	1.23
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	10	1.23
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	14	1.23
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	14	1.23
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	14	1.23
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	14	1.23
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	14	1.23
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	14	1.23
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	19	1.23
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	19	1.23
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	19	1.23
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	19	1.23
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	20	1.23
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	20	1.23
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	20	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	20	1.23
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	20	1.23
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	20	1.23
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	15	1.23
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	15	1.23
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	15	1.23
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	15	1.23
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	11	1.23
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	11	1.23
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	11	1.23
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	11	1.23
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	6	1.23
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	6	1.23
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	6	1.23
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	6	1.23
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	14	1.23
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	14	1.23
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	17	1.23
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	17	1.23
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	17	1.23
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	17	1.23
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	17	1.23
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	17	1.23
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	10	1.23
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	10	1.23
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	10	1.23
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	10	1.23
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	10	1.23
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	10	1.23
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	8	1.23
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	8	1.23
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	8	1.23
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	4	1.23
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	10	1.23
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	11	1.23
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	11	1.23
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	2	1.23
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	14	1.23
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	7	1.23
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	7	1.23
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	16	1.23
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	16	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	3	1.23
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	3	1.23
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	19	1.23
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	19	1.23
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	12	1.23
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	12	1.23
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	12	1.23
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	8	1.23
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	8	1.23
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	12	1.23
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	12	1.23
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	13	1.22
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	13	1.22
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	13	1.22
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	16	1.22
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	16	1.22
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	16	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	18	1.22
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	18	1.22
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	2	1.22
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	2	1.22
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	2	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	16	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	16	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	16	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	16	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	16	1.22
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	16	1.22
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	13	1.22
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	13	1.22
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	13	1.22
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	13	1.22
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	13	1.22
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	13	1.22
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	13	1.22
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	13	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	6	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	6	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	6	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	12	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	12	1.22
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	12	1.22
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	4	1.22
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	4	1.22
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	4	1.22
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	2	1.22
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	2	1.22
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	2	1.22
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	12	1.22
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	12	1.22
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	12	1.22
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	12	1.22
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	12	1.22
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	5	1.22
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	5	1.22
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	5	1.22
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	7	1.22
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	7	1.22
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	7	1.22
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	5	1.22
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	5	1.22
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	5	1.22
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	3	1.22
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	3	1.22
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	3	1.22
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	3	1.22
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	3	1.22
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	3	1.22
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	3	1.22
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	3	1.22
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	19	1.22
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	19	1.22
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	19	1.22
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	19	1.22
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	19	1.22
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	19	1.22
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	19	1.22
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	19	1.22
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	19	1.22
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	19	1.22
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	19	1.22
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	19	1.22
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	1	1.22
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	1	1.22
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	1	1.22
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	8	1.22
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	8	1.22
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	8	1.22
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	8	1.22
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	8	1.22
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	8	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	2	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	2	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	2	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	5	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	5	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	5	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	13	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	13	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	13	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	18	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	18	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	18	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	19	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	19	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	19	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	20	1.22
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	20	1.22
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	20	1.22
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	20	1.22
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	20	1.22
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	20	1.22
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	20	1.22
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	20	1.22
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	20	1.22
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	20	1.22
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	20	1.22
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	9	1.22
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	9	1.22
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	9	1.22
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	9	1.22
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	9	1.22
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	9	1.22
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	4	1.22
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	4	1.22
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	4	1.22
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	4	1.22
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	4	1.22
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	4	1.22
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	11	1.22
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	11	1.22
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	11	1.22
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	11	1.22
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	11	1.22
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	11	1.22
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	4	1.22
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	4	1.22
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	4	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	9	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	9	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	9	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	12	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	12	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	12	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	15	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	15	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	15	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	16	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	16	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	16	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	18	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	18	1.22
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	18	1.22
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	17	1.22
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	18	1.22
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	16	1.22
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	3	1.22
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	3	1.22
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	18	1.22
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	18	1.22
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	10	1.22
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	10	1.22
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	10	1.22
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	3	1.22
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	3	1.22
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	3	1.22
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	11	1.22
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	11	1.22
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	2	1.22
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	2	1.22
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	6	1.22
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	10	1.22
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	11	1.22
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	2	1.22
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	6	1.22
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	7	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	13	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	13	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	13	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	14	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	14	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	14	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	15	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	15	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	15	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	17	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	17	1.22
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	17	1.22
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	10	1.22
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	17	1.22
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	17	1.22
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	17	1.22
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	4	1.22
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	10	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	13	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	13	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	13	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	13	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	15	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	15	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	15	1.22
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	15	1.22
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	11	1.22
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	11	1.22
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	11	1.22
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	11	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	1	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	2	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	4	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	5	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	10	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	11	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	15	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	16	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	17	1.22
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	18	1.22
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	1	1.22
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	1	1.22
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	2	1.22
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	2	1.22
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	2	1.22
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	10	1.22
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	10	1.22
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	10	1.22
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	15	1.22
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	15	1.22
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	15	1.22
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	14	1.22
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	14	1.22
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	14	1.22
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	20	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	20	1.22
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	20	1.22
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	2	1.22
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	2	1.22
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	7	1.22
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	7	1.22
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	12	1.22
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	12	1.22
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	12	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	5	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	5	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	5	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	11	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	11	1.22
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	11	1.22
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	10	1.22
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	12	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	3	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	3	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	3	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	9	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	9	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	9	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	14	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	14	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	14	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	17	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	17	1.22
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	17	1.22
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	9	1.22
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	9	1.22
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	17	1.22
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	8	1.22
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	20	1.22
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	20	1.22
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	20	1.22
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	9	1.22
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	9	1.22
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	18	1.22
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	18	1.22
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	13	1.22
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	13	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	13	1.22
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	13	1.22
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	6	1.22
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	6	1.22
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	7	1.22
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	7	1.22
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	20	1.22
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	20	1.22
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	8	1.22
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	16	1.22
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	8	1.22
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	8	1.22
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	8	1.22
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	8	1.22
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	6	1.22
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	6	1.22
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	13	1.22
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	4	1.22
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	6	1.22
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	6	1.22
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	10	1.22
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	17	1.22
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	17	1.22
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	7	1.22
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	19	1.22
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	19	1.22
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	19	1.22
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	3	1.22
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	3	1.22
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	3	1.22
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	3	1.22
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	18	1.22
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	18	1.22
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	18	1.22
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	18	1.22
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	18	1.22
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	18	1.22
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	18	1.22
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	18	1.22
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	18	1.22
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	1	1.22
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	1	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	1	1.22
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	1	1.22
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	1	1.22
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	1	1.22
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	1	1.22
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	1	1.22
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	1	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	5	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	5	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	5	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	6	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	6	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	6	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	16	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	16	1.22
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	16	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	5	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	5	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	5	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	5	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	5	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	5	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	5	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	5	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	5	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	7	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	7	1.22
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	7	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	7	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	7	1.22
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	7	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	7	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	7	1.22
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	7	1.22
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	17	1.22
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	17	1.22
(1,779)	1:129:A:TRP:HB2	1:129:A:TRP:HE3	17	1.22
(1,779)	1:129:A:TRP:HB3	1:129:A:TRP:HE3	17	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	3	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	3	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	3	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	3	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	7	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	7	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	7	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	7	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	11	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	11	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	11	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	11	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	16	1.22
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	16	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	16	1.22
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	16	1.22
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	7	1.22
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	7	1.22
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	7	1.22
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	7	1.22
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	7	1.22
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	7	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	2	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	2	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	2	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	2	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	2	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	2	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	2	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	2	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	2	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	20	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	20	1.22
(1,678)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	20	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	20	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	20	1.22
(1,678)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	20	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	20	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	20	1.22
(1,678)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	20	1.22
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	7	1.22
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	7	1.22
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	7	1.22
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	10	1.22
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	10	1.22
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	10	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	10	1.22
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	10	1.22
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	10	1.22
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	15	1.22
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	15	1.22
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	10	1.22
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	10	1.22
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	19	1.22
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	19	1.22
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	19	1.22
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	19	1.22
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	19	1.22
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	19	1.22
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	19	1.22
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	19	1.22
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	19	1.22
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	6	1.22
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	6	1.22
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	6	1.22
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	6	1.22
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	6	1.22
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	6	1.22
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	12	1.22
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	12	1.22
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	12	1.22
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	12	1.22
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	12	1.22
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	12	1.22
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	3	1.22
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	13	1.22
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	3	1.22
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	12	1.22
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	12	1.22
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	12	1.22
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	12	1.22
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	7	1.22
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	20	1.22
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	3	1.22
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	3	1.22
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	3	1.22
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	14	1.22
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	14	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	17	1.22
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	15	1.22
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	15	1.22
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	13	1.22
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	13	1.22
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	13	1.22
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	13	1.22
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	13	1.22
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	13	1.22
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	2	1.22
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	2	1.22
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	2	1.22
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	2	1.22
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	2	1.22
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	2	1.22
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	17	1.22
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	17	1.22
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	17	1.22
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	17	1.22
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	17	1.22
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	17	1.22
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	4	1.22
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	4	1.22
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	8	1.22
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	8	1.22
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	9	1.22
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	9	1.22
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	15	1.22
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	15	1.22
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	15	1.22
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	16	1.22
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	16	1.22
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	16	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	5	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	5	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	5	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	15	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	15	1.22
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	15	1.22
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	18	1.22
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	18	1.22
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	18	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	18	1.22
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	18	1.22
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	18	1.22
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	3	1.22
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	3	1.22
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	3	1.22
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	3	1.22
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	3	1.22
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	3	1.22
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	3	1.22
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	3	1.22
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	3	1.22
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	5	1.22
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	5	1.22
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	5	1.22
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	19	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	17	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	17	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	17	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	19	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	19	1.22
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	19	1.22
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	6	1.22
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	4	1.22
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	10	1.22
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	10	1.22
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	15	1.22
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	15	1.22
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	1	1.22
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	1	1.22
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	9	1.22
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	5	1.22
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	5	1.22
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	20	1.21
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	20	1.21
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	20	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	2	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	2	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	2	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	5	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	5	1.21
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	5	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	7	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	15	1.21
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	15	1.21
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	10	1.21
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	10	1.21
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	10	1.21
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	10	1.21
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	10	1.21
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	10	1.21
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD21	12	1.21
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD22	12	1.21
(1,2150)	1:237:A:LEU:HA	1:237:A:LEU:HD23	12	1.21
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	8	1.21
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	8	1.21
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	8	1.21
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	8	1.21
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	8	1.21
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	8	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	9	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	9	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	9	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	16	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	16	1.21
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	16	1.21
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	11	1.21
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	11	1.21
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	11	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	11	1.21
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	11	1.21
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	11	1.21
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	7	1.21
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	7	1.21
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	7	1.21
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	7	1.21
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	7	1.21
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	7	1.21
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	14	1.21
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	14	1.21
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	14	1.21
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	14	1.21
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	14	1.21
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	14	1.21
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	14	1.21
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	14	1.21
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	14	1.21
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG11	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG12	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG13	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG21	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG22	1:89:A:VAL:H	7	1.21
(1,2022)	1:88:A:VAL:HG23	1:89:A:VAL:H	7	1.21
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	13	1.21
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	13	1.21
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	13	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	9	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	9	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	9	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	14	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	14	1.21
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	14	1.21
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	1	1.21
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	1	1.21
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	1	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	1	1.21
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	1	1.21
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	1	1.21
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	1	1.21
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	1	1.21
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	1	1.21
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	19	1.21
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	19	1.21
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	19	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	8	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	8	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	8	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	18	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	18	1.21
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	18	1.21
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	7	1.21
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	7	1.21
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	7	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	7	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	7	1.21
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	7	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	7	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	7	1.21
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	7	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	10	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	10	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	10	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	10	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	10	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	10	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	11	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	11	1.21
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	11	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	11	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	11	1.21
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	11	1.21
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	12	1.21
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	12	1.21
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	12	1.21
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	7	1.21
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	7	1.21
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	17	1.21
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	17	1.21
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	17	1.21
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	5	1.21
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	5	1.21
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	5	1.21
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	11	1.21
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	11	1.21
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	11	1.21
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	11	1.21
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	11	1.21
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	11	1.21
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	11	1.21
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	11	1.21
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	11	1.21
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	7	1.21
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	7	1.21
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	7	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	7	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	7	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	7	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	7	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	9	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	9	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	9	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	9	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	11	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	11	1.21
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	11	1.21
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	11	1.21
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	7	1.21
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	7	1.21
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	18	1.21
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	18	1.21
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	6	1.21
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	11	1.21
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	16	1.21
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	11	1.21
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	5	1.21
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	5	1.21
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	12	1.21
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	12	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	13	1.21
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	13	1.21
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	14	1.21
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	14	1.21
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	17	1.21
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	17	1.21
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	17	1.21
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	20	1.21
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	20	1.21
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	20	1.21
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	13	1.21
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	13	1.21
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	13	1.21
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	14	1.21
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	14	1.21
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	1	1.21
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	18	1.21
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	5	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	5	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	5	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	5	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	6	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	6	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	6	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	8	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	8	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	8	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	11	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	11	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	11	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	12	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	12	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	12	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB1	18	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB2	18	1.21
(1,1654)	1:37:A:ALA:H	1:37:A:ALA:HB3	18	1.21
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	18	1.21
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	8	1.21
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	8	1.21
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	8	1.21
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	8	1.21
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	16	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	16	1.21
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	16	1.21
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	16	1.21
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	1	1.21
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	16	1.21
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	20	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	1	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	1	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	1	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	1	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	2	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	2	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	2	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	2	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	6	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	6	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	6	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	6	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	11	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	11	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	11	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	11	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	17	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	17	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	17	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	17	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	19	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	19	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	19	1.21
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	19	1.21
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	17	1.21
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	17	1.21
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	17	1.21
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	17	1.21
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	14	1.21
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	4	1.21
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	4	1.21
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	3	1.21
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	3	1.21
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	3	1.21
(1,1519)	1:186:A:ILE:HG21	1:187:A:ASN:H	13	1.21
(1,1519)	1:186:A:ILE:HG22	1:187:A:ASN:H	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1519)	1:186:A:ILE:HG23	1:187:A:ASN:H	13	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	18	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	18	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	18	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD11	20	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD12	20	1.21
(1,1517)	1:186:A:ILE:H	1:186:A:ILE:HD13	20	1.21
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	10	1.21
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	10	1.21
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	4	1.21
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	4	1.21
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	4	1.21
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	8	1.21
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	8	1.21
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	8	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	4	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	4	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	4	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	11	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	11	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	11	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	20	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	20	1.21
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	20	1.21
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	2	1.21
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	2	1.21
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	7	1.21
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	7	1.21
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	1	1.21
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	7	1.21
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	13	1.21
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	10	1.21
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	11	1.21
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	20	1.21
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	20	1.21
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	20	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	2	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	3	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	4	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	5	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	7	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	10	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	12	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	14	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	16	1.21
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	20	1.21
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	2	1.21
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	5	1.21
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	5	1.21
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	5	1.21
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	5	1.21
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	2	1.21
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	12	1.21
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	3	1.21
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	3	1.21
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	13	1.21
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	13	1.21
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	1	1.21
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	1	1.21
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	1	1.21
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	1	1.21
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	14	1.21
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	14	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	12	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	12	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	13	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	13	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	20	1.21
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	20	1.21
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	17	1.21
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	9	1.21
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	11	1.21
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	11	1.21
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	15	1.21
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	7	1.21
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	17	1.21
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	6	1.21
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	18	1.21
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	18	1.21
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	18	1.21
(1,951)	1:56:A:SER:H	1:58:A:VAL:H	9	1.21
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	7	1.21
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	7	1.21
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	7	1.21
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	7	1.21
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	7	1.21
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	17	1.21
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	17	1.21
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	4	1.21
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	4	1.21
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	8	1.21
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	8	1.21
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	8	1.21
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	8	1.21
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	8	1.21
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	8	1.21
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	8	1.21
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	8	1.21
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	8	1.21
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	16	1.21
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	16	1.21
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	16	1.21
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	16	1.21
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	16	1.21
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	16	1.21
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	2	1.21
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	2	1.21
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	2	1.21
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	2	1.21
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	2	1.21
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	2	1.21
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	1	1.21
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	1	1.21
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	1	1.21
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB2	3	1.21
(1,803)	1:66:A:ARG:H	1:156:A:LEU:HB3	3	1.21
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	12	1.21
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	12	1.21
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	12	1.21
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	13	1.21
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	13	1.21
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	13	1.21
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	13	1.21
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	13	1.21
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	3	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	3	1.21
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	19	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	1	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	1	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	1	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	15	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	15	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	15	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	16	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	16	1.21
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	16	1.21
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	9	1.21
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	9	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	9	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	9	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	9	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	9	1.21
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	14	1.21
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	14	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	14	1.21
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	14	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	14	1.21
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	14	1.21
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	11	1.21
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	11	1.21
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	11	1.21
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	11	1.21
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	14	1.21
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	14	1.21
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	20	1.21
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD1	19	1.21
(1,605)	1:234:A:ILE:HG12	1:238:A:TYR:HD2	19	1.21
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	19	1.21
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	19	1.21
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	19	1.21
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	9	1.21
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	4	1.21
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	1	1.21
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	8	1.21
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	9	1.21
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	11	1.21
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	1	1.21
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	10	1.21
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	5	1.21
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	5	1.21
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	20	1.21
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	20	1.21
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG21	9	1.21
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG22	9	1.21
(1,469)	1:61:A:ILE:H	1:61:A:ILE:HG23	9	1.21
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	6	1.21
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	6	1.21
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	6	1.21
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	6	1.21
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	13	1.21
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	13	1.21
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	13	1.21
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	7	1.21
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	7	1.21
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	7	1.21
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	7	1.21
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	7	1.21
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	7	1.21
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	7	1.21
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	7	1.21
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	7	1.21
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	5	1.21
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	13	1.21
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	19	1.21
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	19	1.21
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	3	1.21
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	3	1.21
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	18	1.21
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	18	1.21
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	9	1.21
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	9	1.21
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	9	1.21
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	5	1.21
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	5	1.21
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	2	1.21
(1,335)	1:62:A:MET:H	1:62:A:MET:HG2	2	1.21
(1,335)	1:62:A:MET:H	1:62:A:MET:HG3	2	1.21
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	9	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	9	1.21
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	6	1.21
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	6	1.21
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	7	1.21
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	7	1.21
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	10	1.21
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	10	1.21
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	10	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	1	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	1	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	1	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	9	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	9	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	9	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	13	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	13	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	13	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	19	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	19	1.21
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	19	1.21
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	16	1.21
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	16	1.21
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	16	1.21
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	16	1.21
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	16	1.21
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	16	1.21
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	2	1.21
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	2	1.21
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	2	1.21
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	16	1.21
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	16	1.21
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	16	1.21
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	16	1.21
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	16	1.21
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	16	1.21
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE1	19	1.21
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE2	19	1.21
(1,158)	1:62:A:MET:HG2	1:62:A:MET:HE3	19	1.21
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE1	19	1.21
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE2	19	1.21
(1,158)	1:62:A:MET:HG3	1:62:A:MET:HE3	19	1.21
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	8	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	8	1.21
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	8	1.21
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	8	1.21
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	8	1.21
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	8	1.21
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	7	1.21
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	7	1.21
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD1	20	1.21
(1,122)	1:171:A:HIS:HA	1:172:A:PHE:HD2	20	1.21
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	14	1.21
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	14	1.21
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	19	1.21
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	18	1.21
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	18	1.21
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	18	1.21
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	18	1.21
(1,39)	1:176:A:GLU:HB2	1:178:A:TRP:HZ2	3	1.21
(1,39)	1:176:A:GLU:HB3	1:178:A:TRP:HZ2	3	1.21
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	3	1.21
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	3	1.21
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	3	1.21
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	3	1.21
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	3	1.21
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	3	1.21
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	17	1.2
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	17	1.2
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	17	1.2
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	13	1.2
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	13	1.2
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	13	1.2
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	19	1.2
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	19	1.2
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	19	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	20	1.2
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	20	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	16	1.2
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	16	1.2
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	16	1.2
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	6	1.2
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	6	1.2
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	6	1.2
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	1	1.2
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	6	1.2
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	9	1.2
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	11	1.2
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	11	1.2
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	11	1.2
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	11	1.2
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	11	1.2
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	11	1.2
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	7	1.2
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	7	1.2
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	7	1.2
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	3	1.2
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	3	1.2
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	3	1.2
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	3	1.2
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	3	1.2
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	3	1.2
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	19	1.2
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	19	1.2
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	19	1.2
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	19	1.2
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	19	1.2
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	19	1.2
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	19	1.2
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	19	1.2
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	17	1.2
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	17	1.2
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	17	1.2
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	17	1.2
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	17	1.2
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	17	1.2
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	17	1.2
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	17	1.2
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	17	1.2
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	2	1.2
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	2	1.2
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	2	1.2
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	2	1.2
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	2	1.2
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	2	1.2
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	8	1.2
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	8	1.2
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	8	1.2
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	8	1.2
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	8	1.2
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	8	1.2
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	8	1.2
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	8	1.2
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	8	1.2
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	15	1.2
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	15	1.2
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	15	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	16	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	16	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	16	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	18	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	18	1.2
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	18	1.2
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	11	1.2
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	11	1.2
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	11	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	12	1.2
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	12	1.2
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	12	1.2
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	12	1.2
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	12	1.2
(1,1943)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	12	1.2
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	5	1.2
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	5	1.2
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	5	1.2
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	5	1.2
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	5	1.2
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	5	1.2
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	5	1.2
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	5	1.2
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	5	1.2
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	16	1.2
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	16	1.2
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	16	1.2
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	8	1.2
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	17	1.2
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	17	1.2
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	17	1.2
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	17	1.2
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	17	1.2
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	17	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	1	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	1	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	1	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	1	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	1	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	1	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	7	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	7	1.2
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	7	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	7	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	7	1.2
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD11	3	1.2
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD12	3	1.2
(1,1898)	1:108:A:LEU:H	1:108:A:LEU:HD13	3	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	3	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	3	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	3	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	3	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	3	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	3	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	7	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	7	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	7	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	7	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	7	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	7	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	16	1.2
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	16	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	16	1.2
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	16	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	16	1.2
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	16	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	1	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	1	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	1	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	13	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	13	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	13	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	15	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	15	1.2
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	15	1.2
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	4	1.2
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	4	1.2
(1,1867)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	4	1.2
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	4	1.2
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	4	1.2
(1,1867)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	4	1.2
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	4	1.2
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	4	1.2
(1,1867)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	4	1.2
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	15	1.2
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	15	1.2
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	6	1.2
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	6	1.2
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	6	1.2
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	7	1.2
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	7	1.2
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	7	1.2
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	7	1.2
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	7	1.2
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	7	1.2
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	7	1.2
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	7	1.2
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	7	1.2
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	12	1.2
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	12	1.2
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	12	1.2
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	12	1.2
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	12	1.2
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	12	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	4	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	4	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	4	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	10	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	10	1.2
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	10	1.2
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	13	1.2
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	19	1.2
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	1	1.2
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	1	1.2
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	12	1.2
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	12	1.2
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	12	1.2
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	20	1.2
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	20	1.2
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	20	1.2
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	3	1.2
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	3	1.2
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	7	1.2
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	13	1.2
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	2	1.2
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	2	1.2
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	3	1.2
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	6	1.2
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	6	1.2
(1,1666)	1:40:A:LYS:HB2	1:41:A:GLU:H	9	1.2
(1,1666)	1:40:A:LYS:HB3	1:41:A:GLU:H	9	1.2
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	6	1.2
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	3	1.2
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	3	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	9	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	9	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	10	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	10	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	14	1.2
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	14	1.2
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	5	1.2
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	5	1.2
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	20	1.2
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	20	1.2
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	7	1.2
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	7	1.2
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	7	1.2
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	7	1.2
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	5	1.2
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	5	1.2
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	5	1.2
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	2	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	5	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	5	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	5	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	5	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	7	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	7	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	7	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	7	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	8	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	8	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	8	1.2
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	8	1.2
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	12	1.2
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	12	1.2
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	11	1.2
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	3	1.2
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	12	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	6	1.2
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	6	1.2
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	17	1.2
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	17	1.2
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	17	1.2
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	3	1.2
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	10	1.2
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	10	1.2
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	11	1.2
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	11	1.2
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	14	1.2
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	14	1.2
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	15	1.2
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	15	1.2
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	20	1.2
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	20	1.2
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	2	1.2
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	2	1.2
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	2	1.2
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	9	1.2
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	9	1.2
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	9	1.2
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	16	1.2
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	16	1.2
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	16	1.2
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	16	1.2
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	16	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	5	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	5	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	5	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	6	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	6	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	6	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	16	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	16	1.2
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	16	1.2
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	4	1.2
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	4	1.2
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	2	1.2
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	4	1.2
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	19	1.2
(1,1398)	1:134:A:ILE:HA	1:135:A:MET:H	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	9	1.2
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	9	1.2
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	9	1.2
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	5	1.2
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	5	1.2
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	13	1.2
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	16	1.2
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	1.2
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	19	1.2
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	5	1.2
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	2	1.2
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	1	1.2
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	1	1.2
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	2	1.2
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	2	1.2
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	2	1.2
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	2	1.2
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	15	1.2
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	15	1.2
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	4	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	6	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	6	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	6	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	6	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	19	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	19	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	19	1.2
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	19	1.2
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	2	1.2
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	2	1.2
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	3	1.2
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	11	1.2
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	3	1.2
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	12	1.2
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	13	1.2
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	8	1.2
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	8	1.2
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	13	1.2
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	19	1.2
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	13	1.2
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	19	1.2
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	17	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	17	1.2
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	17	1.2
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	17	1.2
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	8	1.2
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	8	1.2
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	10	1.2
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	10	1.2
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	15	1.2
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	15	1.2
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	15	1.2
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	15	1.2
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	15	1.2
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	15	1.2
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	6	1.2
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	6	1.2
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	6	1.2
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	6	1.2
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	6	1.2
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	6	1.2
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	6	1.2
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	6	1.2
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	6	1.2
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	19	1.2
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	19	1.2
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	16	1.2
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	16	1.2
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	16	1.2
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	16	1.2
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	16	1.2
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	16	1.2
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	16	1.2
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	16	1.2
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	16	1.2
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	16	1.2
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	16	1.2
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	16	1.2
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	16	1.2
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	16	1.2
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	16	1.2
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	16	1.2
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	16	1.2
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	16	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	13	1.2
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	13	1.2
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	13	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	6	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	6	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	6	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	6	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	6	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	6	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	7	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	7	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	7	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	7	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	7	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	7	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	13	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	13	1.2
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	13	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	13	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	13	1.2
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	13	1.2
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	4	1.2
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	4	1.2
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	4	1.2
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	14	1.2
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	14	1.2
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	14	1.2
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	14	1.2
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	14	1.2
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	14	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	7	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	7	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	7	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB1	12	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB2	12	1.2
(1,805)	1:157:A:ALA:H	1:157:A:ALA:HB3	12	1.2
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	5	1.2
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	1	1.2
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	1	1.2
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	1	1.2
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	1	1.2
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	8	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	15	1.2
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	15	1.2
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	11	1.2
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	11	1.2
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	5	1.2
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	5	1.2
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	5	1.2
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	5	1.2
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	5	1.2
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	5	1.2
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	5	1.2
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	5	1.2
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	5	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	2	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	2	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	2	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	4	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	4	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	4	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	5	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	5	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	5	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	8	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	8	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	8	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	18	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	18	1.2
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	18	1.2
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	14	1.2
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	14	1.2
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	19	1.2
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	19	1.2
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	11	1.2
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	13	1.2
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	20	1.2
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	9	1.2
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	9	1.2
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	9	1.2
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	9	1.2
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	19	1.2
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	19	1.2
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	19	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	19	1.2
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	19	1.2
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	19	1.2
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	13	1.2
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	13	1.2
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	13	1.2
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	13	1.2
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	8	1.2
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	8	1.2
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	17	1.2
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	17	1.2
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	13	1.2
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	13	1.2
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	13	1.2
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	20	1.2
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	20	1.2
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	20	1.2
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	3	1.2
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	3	1.2
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	3	1.2
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	10	1.2
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	10	1.2
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	10	1.2
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	10	1.2
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	10	1.2
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	10	1.2
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	8	1.2
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	13	1.2
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	13	1.2
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	13	1.2
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	13	1.2
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	13	1.2
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	13	1.2
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	10	1.2
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	10	1.2
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	10	1.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	5	1.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	5	1.2
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	5	1.2
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	20	1.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	15	1.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	15	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	15	1.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	15	1.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	15	1.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	15	1.2
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	1	1.2
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	2	1.2
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	12	1.2
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	15	1.2
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	17	1.2
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	4	1.2
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	4	1.2
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	4	1.2
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	20	1.2
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	20	1.2
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	20	1.2
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	20	1.2
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	20	1.2
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	20	1.2
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	1	1.2
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	1	1.2
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	18	1.2
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	18	1.2
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	18	1.2
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	18	1.2
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	18	1.2
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	18	1.2
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	15	1.2
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	15	1.2
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	15	1.2
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	15	1.2
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	15	1.2
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	15	1.2
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	4	1.2
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	4	1.2
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	4	1.2
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	4	1.2
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	4	1.2
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	4	1.2
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	2	1.2
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	2	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	2	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	2	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	10	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	10	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	11	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	11	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	13	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	13	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	15	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	15	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	16	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	16	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	20	1.2
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	20	1.2
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	6	1.2
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	6	1.2
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	6	1.2
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	14	1.2
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	14	1.2
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	14	1.2
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	4	1.2
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	4	1.2
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	4	1.2
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	4	1.2
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	4	1.2
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	4	1.2
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	14	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	1	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	1	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	1	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	1	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	1	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	1	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	1	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	1	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	1	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	12	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	12	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	12	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	12	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	12	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	12	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	12	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	12	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	12	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	16	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	16	1.2
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	16	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	16	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	16	1.2
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	16	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	16	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	16	1.2
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	16	1.2
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	2	1.2
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	2	1.2
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	2	1.2
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	1	1.2
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	3	1.2
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	8	1.2
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	4	1.2
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	4	1.2
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	14	1.2
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	14	1.2
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	14	1.2
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	14	1.2
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	1	1.2
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	1	1.2
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	16	1.2
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	16	1.2
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	1.2
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	1.2
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	1.2
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	8	1.2
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	15	1.2
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	20	1.2
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	10	1.2
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	13	1.2
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	12	1.2
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	12	1.2
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	12	1.2
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	12	1.2
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	12	1.2
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	12	1.2
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	1	1.19
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	13	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	13	1.19
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	13	1.19
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	14	1.19
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	14	1.19
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	14	1.19
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG21	19	1.19
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG22	19	1.19
(1,2182)	1:128:A:VAL:H	1:128:A:VAL:HG23	19	1.19
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	13	1.19
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	16	1.19
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	16	1.19
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	16	1.19
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	16	1.19
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	16	1.19
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	16	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	12	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	12	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	12	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	15	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	15	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	15	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	19	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	19	1.19
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	19	1.19
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	7	1.19
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	7	1.19
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	7	1.19
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	2	1.19
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	2	1.19
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	2	1.19
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	2	1.19
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	2	1.19
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	2	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	2	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	2	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	2	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	5	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	5	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	19	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	19	1.19
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	19	1.19
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	9	1.19
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	9	1.19
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	9	1.19
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	9	1.19
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	9	1.19
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	9	1.19
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	1	1.19
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	1	1.19
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	1	1.19
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	1	1.19
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	1	1.19
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	1	1.19
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	1	1.19
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	1	1.19
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	1	1.19
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	3	1.19
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	3	1.19
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	3	1.19
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	3	1.19
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	3	1.19
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	3	1.19
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	9	1.19
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	9	1.19
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	9	1.19
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	4	1.19
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	4	1.19
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	4	1.19
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	8	1.19
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	8	1.19
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	8	1.19
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	18	1.19
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	18	1.19
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	18	1.19
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	1	1.19
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	1	1.19
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	1	1.19
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	18	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	18	1.19
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	18	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	9	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	9	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	9	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	20	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	20	1.19
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	20	1.19
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	19	1.19
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	19	1.19
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	19	1.19
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	19	1.19
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	19	1.19
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	19	1.19
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	19	1.19
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	19	1.19
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	19	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	1	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	1	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	1	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	3	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	3	1.19
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	3	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	12	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	12	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	12	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	12	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	12	1.19
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	12	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	12	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	12	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	12	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	14	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	14	1.19
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	14	1.19
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	7	1.19
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	7	1.19
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	7	1.19
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	7	1.19
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	7	1.19
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	7	1.19
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	7	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	7	1.19
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	7	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	7	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	7	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	7	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	13	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	13	1.19
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	13	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	4	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	4	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	4	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	9	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	9	1.19
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	9	1.19
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	19	1.19
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	19	1.19
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	19	1.19
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	19	1.19
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	19	1.19
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	19	1.19
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	19	1.19
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	19	1.19
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	19	1.19
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	19	1.19
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	19	1.19
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	19	1.19
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	20	1.19
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	20	1.19
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	20	1.19
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	20	1.19
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	20	1.19
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	20	1.19
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	2	1.19
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	2	1.19
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	2	1.19
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG21	19	1.19
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG22	19	1.19
(1,1846)	1:128:A:VAL:H	1:128:A:VAL:HG23	19	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	5	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	5	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	5	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	6	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	6	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG21	17	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG22	17	1.19
(1,1811)	1:72:A:VAL:HA	1:72:A:VAL:HG23	17	1.19
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	18	1.19
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	18	1.19
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	18	1.19
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	3	1.19
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	3	1.19
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	3	1.19
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	3	1.19
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	15	1.19
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	13	1.19
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	1	1.19
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	3	1.19
(1,1752)	1:175:A:ASP:HB2	1:176:A:GLU:H	8	1.19
(1,1752)	1:175:A:ASP:HB3	1:176:A:GLU:H	8	1.19
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	8	1.19
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	4	1.19
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	4	1.19
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	18	1.19
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	18	1.19
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	3	1.19
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	3	1.19
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	3	1.19
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	7	1.19
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	7	1.19
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	13	1.19
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	13	1.19
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	18	1.19
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	18	1.19
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	18	1.19
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	18	1.19
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	20	1.19
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	20	1.19
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	20	1.19
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	20	1.19
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	15	1.19
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB2	15	1.19
(1,1623)	1:18:A:TYR:H	1:18:A:TYR:HB3	15	1.19
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	12	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	12	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	12	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	12	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	20	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	20	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	20	1.19
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	20	1.19
(1,1590)	1:230:A:ASP:H	1:231:A:ILE:H	13	1.19
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	5	1.19
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	5	1.19
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	3	1.19
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	3	1.19
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	3	1.19
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	15	1.19
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	15	1.19
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	15	1.19
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB1	2	1.19
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB2	2	1.19
(1,1570)	1:210:A:ALA:H	1:210:A:ALA:HB3	2	1.19
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	5	1.19
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	5	1.19
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	9	1.19
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	9	1.19
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	15	1.19
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	15	1.19
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	15	1.19
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	2	1.19
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	12	1.19
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	12	1.19
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	3	1.19
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	3	1.19
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	8	1.19
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	8	1.19
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	8	1.19
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	8	1.19
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	14	1.19
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	14	1.19
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	11	1.19
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	17	1.19
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	17	1.19
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	4	1.19
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	5	1.19
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	7	1.19
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	1	1.19
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	1	1.19
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	1	1.19
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	13	1.19
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	17	1.19
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	6	1.19
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	6	1.19
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	1	1.19
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	1	1.19
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	6	1.19
(1,1406)	1:136:A:ILE:HA	1:137:A:GLY:H	8	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	3	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	4	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	6	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	10	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	11	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	13	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	14	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	15	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	17	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	19	1.19
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	20	1.19
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	6	1.19
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	6	1.19
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	6	1.19
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	6	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	2	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	4	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	9	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	14	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	15	1.19
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	18	1.19
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	19	1.19
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	9	1.19
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	9	1.19
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	9	1.19
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	9	1.19
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	4	1.19
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	4	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	8	1.19
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	8	1.19
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	20	1.19
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	20	1.19
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	14	1.19
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	14	1.19
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	14	1.19
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	14	1.19
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	4	1.19
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	9	1.19
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	9	1.19
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	9	1.19
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	1	1.19
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	13	1.19
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	4	1.19
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	4	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	5	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	5	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	10	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	10	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	17	1.19
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	17	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	4	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	4	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	4	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	4	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	4	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	4	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	18	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	18	1.19
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	18	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	18	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	18	1.19
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	18	1.19
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	12	1.19
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	12	1.19
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	12	1.19
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	12	1.19
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	12	1.19
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	12	1.19
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	19	1.19
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	19	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	19	1.19
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	19	1.19
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	5	1.19
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	5	1.19
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	5	1.19
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	5	1.19
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	5	1.19
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	5	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	2	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	2	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	5	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	5	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	7	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	7	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	18	1.19
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	18	1.19
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG21	20	1.19
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG22	20	1.19
(1,710)	1:90:A:THR:HA	1:90:A:THR:HG23	20	1.19
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	5	1.19
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	17	1.19
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	2	1.19
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	2	1.19
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	2	1.19
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	2	1.19
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	2	1.19
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	2	1.19
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	5	1.19
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	5	1.19
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	5	1.19
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	5	1.19
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	18	1.19
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	18	1.19
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	18	1.19
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	18	1.19
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	18	1.19
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	18	1.19
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	18	1.19
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	18	1.19
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	18	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	6	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	6	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	6	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	11	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	11	1.19
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	11	1.19
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	7	1.19
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	10	1.19
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	17	1.19
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	7	1.19
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	7	1.19
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	7	1.19
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	7	1.19
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	10	1.19
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	10	1.19
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	10	1.19
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	10	1.19
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	10	1.19
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	10	1.19
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	12	1.19
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	12	1.19
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	12	1.19
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	12	1.19
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	12	1.19
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	12	1.19
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	3	1.19
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	13	1.19
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	13	1.19
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	13	1.19
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	13	1.19
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	13	1.19
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	13	1.19
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	10	1.19
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	10	1.19
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	15	1.19
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	15	1.19
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	15	1.19
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	15	1.19
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	15	1.19
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	15	1.19
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	6	1.19
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	15	1.19
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	17	1.19
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	17	1.19
(1,514)	1:102:A:HIS:HA	1:105:A:VAL:HB	7	1.19
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	10	1.19
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	10	1.19
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	11	1.19
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	11	1.19
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	11	1.19
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	11	1.19
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	11	1.19
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	11	1.19
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	14	1.19
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	14	1.19
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	11	1.19
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	11	1.19
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	11	1.19
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	16	1.19
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	16	1.19
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	16	1.19
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	16	1.19
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	16	1.19
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	16	1.19
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	16	1.19
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	16	1.19
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	16	1.19
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	1	1.19
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	1	1.19
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	1	1.19
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	7	1.19
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	7	1.19
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	7	1.19
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	16	1.19
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	16	1.19
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	16	1.19
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	4	1.19
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	8	1.19
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	9	1.19
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	14	1.19
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	16	1.19
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	14	1.19
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	14	1.19
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	14	1.19
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	14	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	14	1.19
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	14	1.19
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB2	4	1.19
(1,315)	1:103:A:ILE:HA	1:106:A:ASP:HB3	4	1.19
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	11	1.19
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	11	1.19
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	11	1.19
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	11	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	3	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	3	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	3	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	3	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	3	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	3	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	16	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	16	1.19
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	16	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	16	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	16	1.19
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	16	1.19
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	7	1.19
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	7	1.19
(1,293)	1:19:A:LEU:HB2	1:20:A:LYS:H	18	1.19
(1,293)	1:19:A:LEU:HB3	1:20:A:LYS:H	18	1.19
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	13	1.19
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	13	1.19
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	13	1.19
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	13	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	1	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	1	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	3	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	3	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	4	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	4	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	8	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	8	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	17	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	18	1.19
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	18	1.19
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB2	17	1.19
(1,257)	1:46:A:PHE:H	1:46:A:PHE:HB3	17	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	10	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	10	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	10	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	12	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	12	1.19
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	12	1.19
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	10	1.19
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	12	1.19
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	12	1.19
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	12	1.19
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	5	1.19
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	5	1.19
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	5	1.19
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	5	1.19
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	5	1.19
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	5	1.19
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	5	1.19
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	5	1.19
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	5	1.19
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	9	1.19
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	9	1.19
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	9	1.19
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	9	1.19
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	9	1.19
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	9	1.19
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	17	1.19
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	17	1.19
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	17	1.19
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	17	1.19
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	17	1.19
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	17	1.19
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	9	1.19
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	9	1.19
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	9	1.19
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	16	1.19
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	16	1.19
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	16	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	16	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	6	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	6	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	6	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	15	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	15	1.19
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	15	1.19
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	20	1.19
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	20	1.19
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	20	1.19
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	20	1.19
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	20	1.19
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	20	1.19
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	20	1.19
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	20	1.19
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	20	1.19
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	7	1.19
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	13	1.19
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	5	1.19
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	18	1.19
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	6	1.19
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	6	1.19
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	15	1.19
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	15	1.19
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	2	1.19
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	6	1.19
(1,61)	1:89:A:VAL:HA	1:90:A:THR:H	18	1.19
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	1	1.19
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	1	1.19
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	7	1.19
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	7	1.19
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	7	1.19
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	7	1.19
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	7	1.19
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	7	1.19
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	13	1.18
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	13	1.18
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	13	1.18
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	8	1.18
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	8	1.18
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	8	1.18
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	8	1.18
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	8	1.18
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	14	1.18
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	17	1.18
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	17	1.18
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	17	1.18
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	17	1.18
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	17	1.18
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	17	1.18
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	7	1.18
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	7	1.18
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	7	1.18
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	4	1.18
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	4	1.18
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	4	1.18
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	4	1.18
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	4	1.18
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	4	1.18
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	4	1.18
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	4	1.18
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	4	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	5	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	5	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	5	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	5	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	5	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	5	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	13	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	13	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	13	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	13	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	13	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	13	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	18	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	18	1.18
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	18	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	18	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	18	1.18
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	18	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	8	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	8	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	8	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	8	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	8	1.18
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	8	1.18
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	8	1.18
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	8	1.18
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	4	1.18
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	4	1.18
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	4	1.18
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	12	1.18
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	12	1.18
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	12	1.18
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	12	1.18
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	12	1.18
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	12	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	11	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	11	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	11	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	18	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	18	1.18
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	18	1.18
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	8	1.18
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	8	1.18
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	8	1.18
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	13	1.18
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	13	1.18
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	13	1.18
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	7	1.18
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	7	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	7	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	7	1.18
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	7	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	7	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	7	1.18
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	7	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	2	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	2	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	2	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	7	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	7	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	7	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	14	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	14	1.18
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	14	1.18
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	19	1.18
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	19	1.18
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	19	1.18
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	13	1.18
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	13	1.18
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	13	1.18
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	13	1.18
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	13	1.18
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	13	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	6	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	6	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	6	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	10	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	10	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	10	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	17	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	17	1.18
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	17	1.18
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	1	1.18
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	1	1.18
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	1	1.18
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	1	1.18
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	1	1.18
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	1	1.18
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	9	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	9	1.18
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	9	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	5	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	5	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	5	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	20	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	20	1.18
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	20	1.18
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	5	1.18
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	5	1.18
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	5	1.18
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	5	1.18
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	5	1.18
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	5	1.18
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	5	1.18
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	5	1.18
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	5	1.18
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	1	1.18
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	1	1.18
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	1	1.18
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	6	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	6	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	6	1.18
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	6	1.18
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	19	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	19	1.18
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	19	1.18
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	19	1.18
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	3	1.18
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	3	1.18
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	5	1.18
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	7	1.18
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	20	1.18
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	9	1.18
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	3	1.18
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	10	1.18
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	10	1.18
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	3	1.18
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	12	1.18
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	19	1.18
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	16	1.18
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	20	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	14	1.18
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	14	1.18
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	14	1.18
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	14	1.18
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	19	1.18
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	19	1.18
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	19	1.18
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	19	1.18
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	12	1.18
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	12	1.18
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	12	1.18
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	12	1.18
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	1	1.18
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	1	1.18
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	3	1.18
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	3	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	4	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	4	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	6	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	6	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	13	1.18
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	13	1.18
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	12	1.18
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	12	1.18
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	18	1.18
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	18	1.18
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	5	1.18
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	5	1.18
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	5	1.18
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB1	7	1.18
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB2	7	1.18
(1,1468)	1:170:A:ALA:H	1:170:A:ALA:HB3	7	1.18
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	2	1.18
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	2	1.18
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	5	1.18
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	17	1.18
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	17	1.18
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	2	1.18
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	2	1.18
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	2	1.18
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	8	1.18
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	6	1.18
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	1	1.18
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	3	1.18
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	9	1.18
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	16	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	7	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	7	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	7	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB1	12	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB2	12	1.18
(1,1441)	1:157:A:ALA:H	1:157:A:ALA:HB3	12	1.18
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	1	1.18
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	7	1.18
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	9	1.18
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	16	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	1	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	3	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	5	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	6	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	7	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	12	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	17	1.18
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	19	1.18
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	18	1.18
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	17	1.18
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	17	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	4	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	4	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	4	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	4	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	16	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	16	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	16	1.18
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	16	1.18
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	2	1.18
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	10	1.18
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	15	1.18
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	2	1.18
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	16	1.18
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	20	1.18
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	12	1.18
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	6	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	5	1.18
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	9	1.18
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	9	1.18
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	4	1.18
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	6	1.18
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	6	1.18
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	19	1.18
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	19	1.18
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	8	1.18
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	8	1.18
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	18	1.18
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	18	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	1	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	1	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	2	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	2	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	16	1.18
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	16	1.18
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	20	1.18
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	20	1.18
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	20	1.18
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	20	1.18
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	20	1.18
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	20	1.18
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	20	1.18
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	20	1.18
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	20	1.18
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	12	1.18
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	12	1.18
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	12	1.18
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	12	1.18
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	12	1.18
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	12	1.18
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	18	1.18
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	18	1.18
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	18	1.18
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	4	1.18
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	4	1.18
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	4	1.18
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	4	1.18
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	12	1.18
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	12	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	12	1.18
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	12	1.18
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	12	1.18
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	12	1.18
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	11	1.18
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	11	1.18
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	17	1.18
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	17	1.18
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	1	1.18
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	1	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	11	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	11	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	11	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	11	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	11	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	11	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	18	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	18	1.18
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	18	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	18	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	18	1.18
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	18	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	9	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	9	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	9	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	19	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	19	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	19	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	20	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	20	1.18
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	20	1.18
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	4	1.18
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	14	1.18
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	19	1.18
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	19	1.18
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	19	1.18
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	19	1.18
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	19	1.18
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	19	1.18
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	19	1.18
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	8	1.18
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	8	1.18
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	8	1.18
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	16	1.18
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	16	1.18
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	17	1.18
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	17	1.18
(1,547)	1:104:A:THR:HB	1:105:A:VAL:H	4	1.18
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	2	1.18
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	6	1.18
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	6	1.18
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	6	1.18
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	16	1.18
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	16	1.18
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	3	1.18
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	3	1.18
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	12	1.18
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	12	1.18
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	10	1.18
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	19	1.18
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	6	1.18
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	16	1.18
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	16	1.18
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	16	1.18
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	16	1.18
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	20	1.18
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	20	1.18
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	4	1.18
(1,338)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	4	1.18
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	4	1.18
(1,338)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	4	1.18
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	4	1.18
(1,338)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	4	1.18
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	19	1.18
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	19	1.18
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	19	1.18
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	8	1.18
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	8	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	8	1.18
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	8	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	8	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	8	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	8	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	8	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	8	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	8	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	19	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	19	1.18
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	19	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	19	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	19	1.18
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	19	1.18
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	18	1.18
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	18	1.18
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	5	1.18
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	5	1.18
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	5	1.18
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	5	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	12	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	12	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	14	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	14	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	19	1.18
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	19	1.18
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	18	1.18
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	18	1.18
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	18	1.18
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	18	1.18
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	18	1.18
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	18	1.18
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	14	1.18
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	14	1.18
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	14	1.18
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	2	1.18
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	2	1.18
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	2	1.18
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	5	1.18
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	5	1.18
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	5	1.18
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	17	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	17	1.18
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	17	1.18
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	17	1.18
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	17	1.18
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	17	1.18
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	17	1.18
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	17	1.18
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	17	1.18
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	18	1.18
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	18	1.18
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	18	1.18
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	5	1.18
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	6	1.18
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	6	1.18
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	6	1.18
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	6	1.18
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	6	1.18
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	6	1.18
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	5	1.18
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	11	1.18
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	11	1.18
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	18	1.18
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	18	1.18
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	13	1.18
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	5	1.18
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	5	1.18
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	5	1.18
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	20	1.18
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	20	1.18
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	20	1.18
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	20	1.18
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	11	1.18
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	11	1.18
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	20	1.18
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	20	1.18
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	20	1.18
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	20	1.18
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	20	1.18
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	20	1.18
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	11	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	11	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	15	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	15	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	15	1.17
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	12	1.17
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	12	1.17
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	12	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	4	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	4	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	4	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	4	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	4	1.17
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	4	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	11	1.17
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	11	1.17
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	19	1.17
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	19	1.17
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	19	1.17
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	4	1.17
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	4	1.17
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	4	1.17
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	4	1.17
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	4	1.17
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	4	1.17
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	1	1.17
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	1	1.17
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	1	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	8	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	8	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	8	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	14	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	14	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	14	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	20	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	20	1.17
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	6	1.17
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	6	1.17
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	6	1.17
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	9	1.17
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	9	1.17
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	9	1.17
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	11	1.17
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	11	1.17
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	11	1.17
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	7	1.17
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	7	1.17
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	7	1.17
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	7	1.17
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	7	1.17
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	7	1.17
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	13	1.17
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	13	1.17
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	13	1.17
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	13	1.17
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	13	1.17
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	13	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	13	1.17
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	13	1.17
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	13	1.17
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	9	1.17
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	9	1.17
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	9	1.17
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	9	1.17
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	9	1.17
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	9	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	9	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	9	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	9	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	17	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	17	1.17
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	17	1.17
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	19	1.17
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	19	1.17
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	19	1.17
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	5	1.17
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	5	1.17
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	5	1.17
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	5	1.17
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	5	1.17
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	5	1.17
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	5	1.17
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	5	1.17
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	5	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	5	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	5	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	5	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	9	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	9	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	9	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	10	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	10	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	10	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	13	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	13	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	13	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	15	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	15	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	16	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	16	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	16	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	20	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	20	1.17
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	20	1.17
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	15	1.17
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	15	1.17
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	15	1.17
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD11	15	1.17
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD12	15	1.17
(1,1899)	1:108:A:LEU:HB2	1:108:A:LEU:HD13	15	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	13	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	13	1.17
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	13	1.17
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	13	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	13	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	13	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	17	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	17	1.17
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	17	1.17
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	17	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	17	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	17	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	18	1.17
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	18	1.17
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	18	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	18	1.17
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	18	1.17
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	16	1.17
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	16	1.17
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	16	1.17
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	16	1.17
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	16	1.17
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	16	1.17
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	16	1.17
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	16	1.17
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	16	1.17
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	12	1.17
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	12	1.17
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	12	1.17
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	16	1.17
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	16	1.17
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	16	1.17
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	8	1.17
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	8	1.17
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	8	1.17
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	1	1.17
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	1	1.17
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	1	1.17
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	1	1.17
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	12	1.17
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	12	1.17
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	12	1.17
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	12	1.17
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	10	1.17
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	3	1.17
(1,1756)	1:149:A:PHE:H	1:150:A:ASP:H	15	1.17
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	17	1.17
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	17	1.17
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	19	1.17
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	19	1.17
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	1	1.17
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	1	1.17
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	7	1.17
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	12	1.17
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	12	1.17
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	8	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	8	1.17
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	15	1.17
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	15	1.17
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	19	1.17
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	19	1.17
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	1	1.17
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	1	1.17
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	1	1.17
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	1	1.17
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	10	1.17
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	10	1.17
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	10	1.17
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	10	1.17
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	1	1.17
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	1	1.17
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	11	1.17
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	3	1.17
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	3	1.17
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	12	1.17
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	12	1.17
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	9	1.17
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	16	1.17
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	16	1.17
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	16	1.17
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	9	1.17
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	9	1.17
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	9	1.17
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	20	1.17
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	20	1.17
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	15	1.17
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	15	1.17
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	13	1.17
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	13	1.17
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	15	1.17
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	15	1.17
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	16	1.17
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	16	1.17
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	19	1.17
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	19	1.17
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB1	11	1.17
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB2	11	1.17
(1,1457)	1:161:A:ALA:H	1:161:A:ALA:HB3	11	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	14	1.17
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	9	1.17
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	9	1.17
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	9	1.17
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	13	1.17
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	13	1.17
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	13	1.17
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	7	1.17
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	7	1.17
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	2	1.17
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	5	1.17
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	8	1.17
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	12	1.17
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	1	1.17
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	1	1.17
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	5	1.17
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	5	1.17
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	3	1.17
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	3	1.17
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	3	1.17
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	3	1.17
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	4	1.17
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	8	1.17
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	12	1.17
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	12	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	1	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	3	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	4	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	5	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	7	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	10	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	11	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	12	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	13	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	16	1.17
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	17	1.17
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	2	1.17
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	2	1.17
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	2	1.17
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	19	1.17
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	18	1.17
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	18	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	3	1.17
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	13	1.17
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	11	1.17
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	11	1.17
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	11	1.17
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	3	1.17
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	15	1.17
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	11	1.17
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	14	1.17
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	17	1.17
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	8	1.17
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	8	1.17
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	15	1.17
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	15	1.17
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	12	1.17
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	12	1.17
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	12	1.17
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	12	1.17
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	12	1.17
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	12	1.17
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	12	1.17
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	12	1.17
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	12	1.17
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	2	1.17
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	2	1.17
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	2	1.17
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	2	1.17
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	2	1.17
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	2	1.17
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	2	1.17
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	2	1.17
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	2	1.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	14	1.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	14	1.17
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	14	1.17
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	20	1.17
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	20	1.17
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	20	1.17
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	20	1.17
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	20	1.17
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	20	1.17
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	15	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	15	1.17
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	15	1.17
(1,804)	1:157:A:ALA:HB1	1:158:A:HIS:H	15	1.17
(1,804)	1:157:A:ALA:HB2	1:158:A:HIS:H	15	1.17
(1,804)	1:157:A:ALA:HB3	1:158:A:HIS:H	15	1.17
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	14	1.17
(1,763)	1:122:A:LEU:HB2	1:123:A:HIS:H	14	1.17
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	14	1.17
(1,763)	1:122:A:LEU:HB3	1:123:A:HIS:H	14	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	1	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	1	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	19	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	19	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	1.17
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	1.17
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	10	1.17
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	10	1.17
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	10	1.17
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	20	1.17
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	20	1.17
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	3	1.17
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	9	1.17
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	9	1.17
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	9	1.17
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	9	1.17
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	9	1.17
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	9	1.17
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	2	1.17
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	2	1.17
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	2	1.17
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	6	1.17
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	9	1.17
(1,667)	1:93:A:ILE:H	1:93:A:ILE:HB	15	1.17
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	3	1.17
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	3	1.17
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	5	1.17
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	5	1.17
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	13	1.17
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	13	1.17
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	13	1.17
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	19	1.17
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	19	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	19	1.17
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	19	1.17
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	19	1.17
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	19	1.17
(1,589)	1:78:A:PHE:HB2	1:79:A:PRO:HD2	17	1.17
(1,589)	1:78:A:PHE:HB3	1:79:A:PRO:HD2	17	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	2	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	2	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	2	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	2	1.17
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	2	1.17
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	2	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	18	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	18	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	18	1.17
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	18	1.17
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	18	1.17
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	18	1.17
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	8	1.17
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	8	1.17
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	8	1.17
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	16	1.17
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	16	1.17
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	16	1.17
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	16	1.17
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	16	1.17
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	16	1.17
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	17	1.17
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	7	1.17
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	7	1.17
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	16	1.17
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	16	1.17
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	16	1.17
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	16	1.17
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	16	1.17
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	16	1.17
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	1	1.17
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	1	1.17
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	1	1.17
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	11	1.17
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	9	1.17
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	4	1.17
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	4	1.17
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	19	1.17
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	19	1.17
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	16	1.17
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	19	1.17
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	19	1.17
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	19	1.17
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	19	1.17
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	19	1.17
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	19	1.17
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	19	1.17
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	19	1.17
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	19	1.17
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	12	1.17
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	12	1.17
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	12	1.17
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	7	1.17
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	7	1.17
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	7	1.17
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	7	1.17
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	15	1.17
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	15	1.17
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	15	1.17
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	14	1.17
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	14	1.17
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	1	1.17
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	1	1.17
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	7	1.17
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	7	1.17
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	7	1.17
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	7	1.17
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	3	1.17
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	3	1.17
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	3	1.17
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	4	1.17
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	4	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	4	1.17
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	2	1.17
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	5	1.17
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	5	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	2	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	2	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	2	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	2	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	2	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	2	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	2	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	2	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	2	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	18	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	18	1.17
(1,208)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	18	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	18	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	18	1.17
(1,208)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	18	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	18	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	18	1.17
(1,208)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	18	1.17
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	5	1.17
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	5	1.17
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	5	1.17
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	1	1.17
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	1	1.17
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	1	1.17
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	1	1.17
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	1	1.17
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	1	1.17
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	18	1.17
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	18	1.17
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	18	1.17
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	18	1.17
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	18	1.17
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	18	1.17
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	18	1.17
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	18	1.17
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	18	1.17
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	14	1.17
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	2	1.17
(1,101)	1:102:A:HIS:HA	1:102:A:HIS:HD2	12	1.17
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	8	1.17
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	8	1.17
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	18	1.17
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	18	1.17
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	18	1.17
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	18	1.17
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	9	1.17
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	15	1.17
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	15	1.17
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	15	1.17
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	13	1.17
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	13	1.17
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	18	1.17
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	18	1.17
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	18	1.17
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	18	1.17
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	18	1.17
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	18	1.17
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	18	1.17
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	18	1.17
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	18	1.17
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	3	1.16
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	3	1.16
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	3	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	11	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	11	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	11	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	14	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	14	1.16
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	14	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	3	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	5	1.16
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	5	1.16
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	5	1.16
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	5	1.16
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	5	1.16
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	3	1.16
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	5	1.16
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	15	1.16
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	19	1.16
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	20	1.16
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	20	1.16
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	20	1.16
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	20	1.16
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	20	1.16
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	20	1.16
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	17	1.16
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	17	1.16
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	17	1.16
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	17	1.16
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	17	1.16
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	1	1.16
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	1	1.16
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	1	1.16
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	9	1.16
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	9	1.16
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	9	1.16
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	1	1.16
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	1	1.16
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	1	1.16
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	15	1.16
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	15	1.16
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	15	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	3	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	3	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	3	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	4	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	4	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	4	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	8	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	8	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	8	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	11	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	11	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	11	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	15	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	15	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	15	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	17	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	17	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	17	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	19	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	19	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	19	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	20	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	20	1.16
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	20	1.16
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	17	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	17	1.16
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	17	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	1	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	1	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	1	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	1	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	1	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	1	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	6	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	6	1.16
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	6	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	6	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	6	1.16
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	6	1.16
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	6	1.16
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	6	1.16
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	6	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	6	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	6	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	6	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	15	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	15	1.16
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	15	1.16
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	16	1.16
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	16	1.16
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	16	1.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	11	1.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	11	1.16
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	11	1.16
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	6	1.16
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	6	1.16
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	6	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	6	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	6	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	6	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	12	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	12	1.16
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	12	1.16
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	4	1.16
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	4	1.16
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	4	1.16
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	4	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	4	1.16
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	4	1.16
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	15	1.16
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	15	1.16
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	15	1.16
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	15	1.16
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	15	1.16
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	15	1.16
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	16	1.16
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	16	1.16
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	16	1.16
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	16	1.16
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	16	1.16
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	16	1.16
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	19	1.16
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	19	1.16
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	19	1.16
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	19	1.16
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	19	1.16
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	19	1.16
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	19	1.16
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	19	1.16
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	19	1.16
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	12	1.16
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	12	1.16
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	12	1.16
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	12	1.16
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	12	1.16
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	12	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	2	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	2	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	2	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	10	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	10	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	10	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	19	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	19	1.16
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	19	1.16
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	10	1.16
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	10	1.16
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	10	1.16
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	10	1.16
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	10	1.16
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	10	1.16
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	10	1.16
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	10	1.16
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	3	1.16
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	3	1.16
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	3	1.16
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	3	1.16
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	3	1.16
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	3	1.16
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	3	1.16
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	3	1.16
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	3	1.16
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	3	1.16
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	3	1.16
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	3	1.16
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	13	1.16
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	13	1.16
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	13	1.16
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	19	1.16
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	19	1.16
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	19	1.16
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	5	1.16
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	5	1.16
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	5	1.16
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	5	1.16
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	13	1.16
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	13	1.16
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	20	1.16
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	1	1.16
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	1	1.16
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	1	1.16
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	18	1.16
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	18	1.16
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	18	1.16
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	8	1.16
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	8	1.16
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	10	1.16
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	10	1.16
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	19	1.16
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	20	1.16
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	20	1.16
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	16	1.16
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	12	1.16
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	12	1.16
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	18	1.16
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	18	1.16
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	10	1.16
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	19	1.16
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	5	1.16
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	5	1.16
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	3	1.16
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	3	1.16
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	3	1.16
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	3	1.16
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	8	1.16
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	19	1.16
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	6	1.16
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	8	1.16
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	8	1.16
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	8	1.16
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	9	1.16
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	9	1.16
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	9	1.16
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	4	1.16
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	4	1.16
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	6	1.16
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	6	1.16
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	11	1.16
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	5	1.16
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	5	1.16
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	7	1.16
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	7	1.16
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	9	1.16
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	9	1.16
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	11	1.16
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	11	1.16
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	1	1.16
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	1	1.16
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	1	1.16
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	12	1.16
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	8	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	18	1.16
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	18	1.16
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	18	1.16
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	19	1.16
(1,1452)	1:159:A:ALA:HB1	1:160:A:PHE:H	11	1.16
(1,1452)	1:159:A:ALA:HB2	1:160:A:PHE:H	11	1.16
(1,1452)	1:159:A:ALA:HB3	1:160:A:PHE:H	11	1.16
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	8	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	9	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	9	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	9	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	9	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	13	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	13	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	13	1.16
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	13	1.16
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	10	1.16
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	10	1.16
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	10	1.16
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	14	1.16
(1,1402)	1:135:A:MET:HA	1:136:A:ILE:H	18	1.16
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	18	1.16
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	9	1.16
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	9	1.16
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	9	1.16
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	9	1.16
(1,1380)	1:113:A:LEU:HB3	1:114:A:ASN:H	8	1.16
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	3	1.16
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	8	1.16
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	6	1.16
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	15	1.16
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	2	1.16
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	2	1.16
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	4	1.16
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	4	1.16
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	18	1.16
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	18	1.16
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	18	1.16
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	9	1.16
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	9	1.16
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	14	1.16
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	3	1.16
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	6	1.16
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	6	1.16
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	10	1.16
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	10	1.16
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	15	1.16
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	15	1.16
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	18	1.16
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	18	1.16
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	1	1.16
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	1	1.16
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	17	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	4	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	4	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	9	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	9	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	17	1.16
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	17	1.16
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	3	1.16
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	7	1.16
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	18	1.16
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	6	1.16
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	6	1.16
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	5	1.16
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	5	1.16
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	12	1.16
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	12	1.16
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	5	1.16
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	7	1.16
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	10	1.16
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	7	1.16
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	19	1.16
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	20	1.16
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	20	1.16
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	12	1.16
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	12	1.16
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	12	1.16
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD11	9	1.16
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD12	9	1.16
(1,838)	1:202:A:MET:HE1	1:234:A:ILE:HD13	9	1.16
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD11	9	1.16
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD12	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:202:A:MET:HE2	1:234:A:ILE:HD13	9	1.16
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD11	9	1.16
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD12	9	1.16
(1,838)	1:202:A:MET:HE3	1:234:A:ILE:HD13	9	1.16
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	7	1.16
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	7	1.16
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	7	1.16
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	5	1.16
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	5	1.16
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	5	1.16
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	5	1.16
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	5	1.16
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	5	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	9	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	9	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	9	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	17	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	17	1.16
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	17	1.16
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	5	1.16
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	5	1.16
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	5	1.16
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	3	1.16
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	3	1.16
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	16	1.16
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	16	1.16
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	19	1.16
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	19	1.16
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	9	1.16
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	20	1.16
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	20	1.16
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	1	1.16
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	1	1.16
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	1	1.16
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	6	1.16
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	6	1.16
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	6	1.16
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	6	1.16
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	6	1.16
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	6	1.16
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	6	1.16
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	6	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	6	1.16
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	17	1.16
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	17	1.16
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	17	1.16
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	12	1.16
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	12	1.16
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	12	1.16
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	12	1.16
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	19	1.16
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	19	1.16
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	19	1.16
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	19	1.16
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	4	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	4	1.16
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	7	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	7	1.16
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	10	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	10	1.16
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	18	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	18	1.16
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	20	1.16
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	20	1.16
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	1	1.16
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	1	1.16
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	1	1.16
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	1	1.16
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	10	1.16
(1,533)	1:126:A:LYS:HA	1:127:A:VAL:H	14	1.16
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	7	1.16
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	16	1.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	2	1.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	2	1.16
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	2	1.16
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	2	1.16
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	2	1.16
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	16	1.16
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	16	1.16
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	3	1.16
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	3	1.16
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	15	1.16
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	15	1.16
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	10	1.16
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	10	1.16
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	10	1.16
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	10	1.16
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	10	1.16
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	17	1.16
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	17	1.16
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	17	1.16
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	17	1.16
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	17	1.16
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	17	1.16
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	17	1.16
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	17	1.16
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	17	1.16
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	7	1.16
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	7	1.16
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	7	1.16
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	13	1.16
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	13	1.16
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	12	1.16
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	10	1.16
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	10	1.16
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	10	1.16
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	10	1.16
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	14	1.16
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	14	1.16
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	16	1.16
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	16	1.16
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	2	1.16
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	2	1.16
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	2	1.16
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	13	1.16
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	13	1.16
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	10	1.16
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	10	1.16
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	10	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	10	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	10	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	10	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	14	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	14	1.16
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	10	1.16
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	10	1.16
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	10	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	10	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	10	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	10	1.16
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	18	1.16
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	18	1.16
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	18	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	18	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	18	1.16
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	18	1.16
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	11	1.16
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	11	1.16
(1,275)	1:59:A:ILE:HG21	1:59:A:ILE:HG13	1	1.16
(1,275)	1:59:A:ILE:HG22	1:59:A:ILE:HG13	1	1.16
(1,275)	1:59:A:ILE:HG23	1:59:A:ILE:HG13	1	1.16
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	5	1.16
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	2	1.16
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	2	1.16
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	2	1.16
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	6	1.16
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	6	1.16
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	6	1.16
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	14	1.16
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	14	1.16
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	14	1.16
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	14	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	3	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	3	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	3	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	7	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	7	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	7	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	10	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	10	1.16
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	10	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE1	8	1.16
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE2	8	1.16
(1,200)	1:42:A:MET:HG2	1:42:A:MET:HE3	8	1.16
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	6	1.16
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	6	1.16
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	6	1.16
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	6	1.16
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	5	1.16
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	5	1.16
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	5	1.16
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	7	1.16
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	7	1.16
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	19	1.16
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	19	1.16
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	19	1.16
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	19	1.16
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	5	1.16
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	4	1.16
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	4	1.16
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	18	1.16
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	18	1.16
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	18	1.16
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	18	1.16
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	18	1.15
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	18	1.15
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	18	1.15
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	17	1.15
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	17	1.15
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	17	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	16	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	16	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	16	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	16	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	16	1.15
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	16	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	12	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	12	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	12	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	18	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	18	1.15
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	18	1.15
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	8	1.15
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	8	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	2	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	13	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	17	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	19	1.15
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	19	1.15
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	1	1.15
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	1	1.15
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	1	1.15
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	3	1.15
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	3	1.15
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	18	1.15
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	18	1.15
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	18	1.15
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	16	1.15
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	16	1.15
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	16	1.15
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	11	1.15
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	11	1.15
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	11	1.15
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	7	1.15
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	7	1.15
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	7	1.15
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	2	1.15
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	2	1.15
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	2	1.15
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	10	1.15
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	10	1.15
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	10	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	10	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	10	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	10	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	11	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	11	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	11	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	13	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	13	1.15
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	13	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	13	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	13	1.15
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	13	1.15
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	13	1.15
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	13	1.15
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	13	1.15
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	15	1.15
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	15	1.15
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	15	1.15
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	15	1.15
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	15	1.15
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	15	1.15
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	8	1.15
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	8	1.15
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	8	1.15
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	8	1.15
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	8	1.15
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	8	1.15
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	3	1.15
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	3	1.15
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	3	1.15
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	1	1.15
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	1	1.15
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	1	1.15
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	9	1.15
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	9	1.15
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	9	1.15
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	9	1.15
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	9	1.15
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	9	1.15
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	20	1.15
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	20	1.15
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	20	1.15
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD11	7	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD12	7	1.15
(1,1987)	1:116:A:TRP:HA	1:226:A:LEU:HD13	7	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	1	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	1	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	1	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	2	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	2	1.15
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	2	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	3	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	3	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	3	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	13	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	13	1.15
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	13	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	12	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	12	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	12	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	18	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	18	1.15
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	18	1.15
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	18	1.15
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	18	1.15
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	18	1.15
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	13	1.15
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	13	1.15
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	13	1.15
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	4	1.15
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	4	1.15
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	4	1.15
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	3	1.15
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	3	1.15
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	3	1.15
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	5	1.15
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	5	1.15
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	5	1.15
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	5	1.15
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	5	1.15
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	5	1.15
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	14	1.15
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	14	1.15
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	14	1.15
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	14	1.15
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	14	1.15
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	18	1.15
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	18	1.15
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	18	1.15
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG11	7	1.15
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG12	7	1.15
(1,1854)	1:93:A:ILE:HD11	1:105:A:VAL:HG13	7	1.15
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG11	7	1.15
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG12	7	1.15
(1,1854)	1:93:A:ILE:HD12	1:105:A:VAL:HG13	7	1.15
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG11	7	1.15
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG12	7	1.15
(1,1854)	1:93:A:ILE:HD13	1:105:A:VAL:HG13	7	1.15
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	5	1.15
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	5	1.15
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	5	1.15
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	5	1.15
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	5	1.15
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	5	1.15
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	5	1.15
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	5	1.15
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	5	1.15
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	1	1.15
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	1	1.15
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	1	1.15
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	20	1.15
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	20	1.15
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	20	1.15
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	20	1.15
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	20	1.15
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	20	1.15
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	8	1.15
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	4	1.15
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	4	1.15
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	4	1.15
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	14	1.15
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	14	1.15
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	14	1.15
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	12	1.15
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	14	1.15
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	15	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	16	1.15
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	16	1.15
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	11	1.15
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	11	1.15
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB2	6	1.15
(1,1638)	1:24:A:LEU:H	1:70:A:PRO:HB3	6	1.15
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	2	1.15
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	17	1.15
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	4	1.15
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	4	1.15
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	4	1.15
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	4	1.15
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	1	1.15
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	1	1.15
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	1	1.15
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	19	1.15
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	19	1.15
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	19	1.15
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	11	1.15
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	8	1.15
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	8	1.15
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	19	1.15
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	19	1.15
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	7	1.15
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	7	1.15
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	17	1.15
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	17	1.15
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	4	1.15
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	4	1.15
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	8	1.15
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	16	1.15
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	16	1.15
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	16	1.15
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	9	1.15
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	20	1.15
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	17	1.15
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	2	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	1	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	1	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	1	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	1	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	3	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	3	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	3	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	3	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	5	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	5	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	5	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	5	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	6	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	6	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	6	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	6	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	7	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	7	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	7	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	7	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	11	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	11	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	11	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	11	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	17	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	17	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	17	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	17	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	18	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	18	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	18	1.15
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	18	1.15
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	9	1.15
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	9	1.15
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	16	1.15
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	16	1.15
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	16	1.15
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	9	1.15
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	11	1.15
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	17	1.15
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	20	1.15
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	1	1.15
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	1	1.15
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	1	1.15
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	13	1.15
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	17	1.15
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	1	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	7	1.15
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	11	1.15
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	16	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	3	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	6	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	7	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	9	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	11	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	16	1.15
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	18	1.15
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	15	1.15
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	15	1.15
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	18	1.15
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	8	1.15
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	8	1.15
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	5	1.15
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	14	1.15
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	5	1.15
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	4	1.15
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	4	1.15
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	9	1.15
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	18	1.15
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	19	1.15
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	3	1.15
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	5	1.15
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	9	1.15
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	14	1.15
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	5	1.15
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	5	1.15
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	16	1.15
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	16	1.15
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	14	1.15
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	10	1.15
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	16	1.15
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	2	1.15
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	18	1.15
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	12	1.15
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	14	1.15
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	14	1.15
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	14	1.15
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	14	1.15
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	14	1.15
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	7	1.15
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	7	1.15
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	10	1.15
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	10	1.15
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	10	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	6	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	6	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	6	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	6	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	6	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	6	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	6	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	6	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	6	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	8	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	8	1.15
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	8	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	8	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	8	1.15
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	8	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	8	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	8	1.15
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	8	1.15
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	20	1.15
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	20	1.15
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	20	1.15
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	6	1.15
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	6	1.15
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	6	1.15
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	6	1.15
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	6	1.15
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	6	1.15
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	12	1.15
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	12	1.15
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	12	1.15
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	12	1.15
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	12	1.15
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	12	1.15
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	14	1.15
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	14	1.15
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	14	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	14	1.15
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	14	1.15
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	14	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	11	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	11	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	11	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	16	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	16	1.15
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	16	1.15
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	12	1.15
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	12	1.15
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	12	1.15
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	14	1.15
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	14	1.15
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	14	1.15
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	1	1.15
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	1	1.15
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	1	1.15
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	6	1.15
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	6	1.15
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	6	1.15
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	6	1.15
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	6	1.15
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	6	1.15
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	6	1.15
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	6	1.15
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	6	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	8	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	8	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	11	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	11	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	14	1.15
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	14	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	1	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	1	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	1	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	4	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	4	1.15
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	4	1.15
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	19	1.15
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	19	1.15
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	16	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	6	1.15
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	18	1.15
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	18	1.15
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	2	1.15
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	2	1.15
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	2	1.15
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	2	1.15
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	3	1.15
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	3	1.15
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	3	1.15
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	3	1.15
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	3	1.15
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	3	1.15
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	3	1.15
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	3	1.15
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	3	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	8	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	8	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	8	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	11	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	11	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	11	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	14	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	14	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	14	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	16	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	16	1.15
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	16	1.15
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	3	1.15
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	3	1.15
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	3	1.15
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	3	1.15
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	3	1.15
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	3	1.15
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	7	1.15
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	7	1.15
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	7	1.15
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	7	1.15
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	7	1.15
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	7	1.15
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	7	1.15
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	10	1.15
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	10	1.15
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	10	1.15
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	10	1.15
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	10	1.15
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	9	1.15
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	9	1.15
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	12	1.15
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	12	1.15
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	12	1.15
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	12	1.15
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	12	1.15
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	12	1.15
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	19	1.15
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	19	1.15
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	19	1.15
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	13	1.15
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	13	1.15
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	19	1.15
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	19	1.15
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	19	1.15
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	19	1.15
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	19	1.15
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	3	1.15
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	3	1.15
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	3	1.15
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	15	1.15
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	15	1.15
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	15	1.15
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	15	1.15
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	2	1.15
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	8	1.15
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	8	1.15
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	8	1.15
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	8	1.15
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	8	1.15
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	8	1.15
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	16	1.15
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	10	1.15
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	10	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	2	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	5	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	5	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	13	1.15
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	13	1.15
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	3	1.15
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	3	1.15
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	11	1.15
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	11	1.15
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	15	1.15
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	15	1.15
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	4	1.15
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	4	1.15
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	4	1.15
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	18	1.15
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	18	1.15
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	18	1.15
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	19	1.15
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	19	1.15
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	19	1.15
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	19	1.15
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	19	1.15
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	19	1.15
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	12	1.15
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	12	1.15
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	12	1.15
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	6	1.15
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	6	1.15
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	6	1.15
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	12	1.15
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	12	1.15
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	12	1.15
(1,416)	1:186:A:ILE:H	1:186:A:ILE:HB	3	1.15
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	13	1.15
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	13	1.15
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	13	1.15
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	13	1.15
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	13	1.15
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	13	1.15
(1,400)	1:89:A:VAL:HB	1:124:A:PHE:HA	9	1.15
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	8	1.15
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	8	1.15
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	8	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	7	1.15
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	7	1.15
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	18	1.15
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	18	1.15
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	2	1.15
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	2	1.15
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	7	1.15
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	7	1.15
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	19	1.15
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	19	1.15
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	19	1.15
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	19	1.15
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	12	1.15
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	12	1.15
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	12	1.15
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	12	1.15
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	20	1.15
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	20	1.15
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	20	1.15
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	20	1.15
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	20	1.15
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	20	1.15
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	20	1.15
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	20	1.15
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	3	1.15
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	3	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	4	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	4	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	4	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	20	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	20	1.15
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	2	1.15
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	2	1.15
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	2	1.15
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	20	1.15
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	11	1.15
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	1	1.15
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	1	1.15
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	3	1.15
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	3	1.15
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	19	1.15
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	19	1.15
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	19	1.15
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	19	1.15
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	19	1.15
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	19	1.15
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	20	1.15
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	20	1.15
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	20	1.15
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	20	1.15
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	20	1.15
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	20	1.15
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	7	1.14
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	7	1.14
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	7	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	9	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	9	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	9	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	18	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	18	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	18	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	9	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	9	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	9	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	9	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	9	1.14
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	9	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	1	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	1	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	1	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	3	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	3	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	5	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	5	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	5	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	11	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	11	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	11	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	16	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	16	1.14
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	16	1.14
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	19	1.14
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	19	1.14
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	19	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	1	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	4	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	16	1.14
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	16	1.14
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	2	1.14
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	2	1.14
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	2	1.14
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	2	1.14
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	2	1.14
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	12	1.14
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	18	1.14
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	18	1.14
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	18	1.14
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	18	1.14
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	18	1.14
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	18	1.14
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	7	1.14
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	7	1.14
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	7	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	2	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	2	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	2	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	3	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	3	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	3	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	6	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	6	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	6	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	7	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	7	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	7	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	9	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	9	1.14
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	9	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	1	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	1	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	1	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	2	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	2	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	2	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	5	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	5	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	7	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	7	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	7	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	10	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	10	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	10	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	12	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	12	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	12	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	14	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	14	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	14	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	16	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	16	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	16	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG21	18	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG22	18	1.14
(1,2118)	1:128:A:VAL:HA	1:128:A:VAL:HG23	18	1.14
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	2	1.14
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	2	1.14
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	2	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	1	1.14
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	1	1.14
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	1	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	1	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	1	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	1	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	1	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	1	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	1	1.14
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	8	1.14
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	8	1.14
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	8	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	8	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	8	1.14
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	8	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	8	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	8	1.14
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	8	1.14
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG21	6	1.14
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG22	6	1.14
(1,2084)	1:92:A:ARG:HD2	1:127:A:VAL:HG23	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	6	1.14
(1,2084)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	6	1.14
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD21	14	1.14
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD22	14	1.14
(1,2062)	1:15:A:ALA:HB1	1:54:A:LEU:HD23	14	1.14
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD21	14	1.14
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD22	14	1.14
(1,2062)	1:15:A:ALA:HB2	1:54:A:LEU:HD23	14	1.14
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD21	14	1.14
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD22	14	1.14
(1,2062)	1:15:A:ALA:HB3	1:54:A:LEU:HD23	14	1.14
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD11	19	1.14
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD12	19	1.14
(1,2060)	1:54:A:LEU:HB2	1:54:A:LEU:HD13	19	1.14
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD11	19	1.14
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD12	19	1.14
(1,2060)	1:54:A:LEU:HB3	1:54:A:LEU:HD13	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	5	1.14
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	5	1.14
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	5	1.14
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	13	1.14
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	13	1.14
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	13	1.14
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	3	1.14
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	3	1.14
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	3	1.14
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	19	1.14
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	19	1.14
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	19	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	13	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	13	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	13	1.14
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	13	1.14
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	13	1.14
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	13	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	13	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	13	1.14
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	13	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	3	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	3	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	3	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	8	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	8	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	8	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	19	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	19	1.14
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	19	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	1	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	1	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	1	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	3	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	3	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	3	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	5	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	5	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	5	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	11	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	11	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	16	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	16	1.14
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	16	1.14
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	3	1.14
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	3	1.14
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	3	1.14
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	9	1.14
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	9	1.14
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	9	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	11	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	11	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	11	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	16	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	16	1.14
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	16	1.14
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	10	1.14
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	12	1.14
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	12	1.14
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	12	1.14
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	12	1.14
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	12	1.14
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	12	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	9	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	9	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	9	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	9	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	9	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	9	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	15	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	15	1.14
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	15	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	15	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	15	1.14
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	15	1.14
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	8	1.14
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	8	1.14
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	8	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	1	1.14
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	1	1.14
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	1	1.14
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	1	1.14
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	1	1.14
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	1	1.14
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	1	1.14
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	1	1.14
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	1	1.14
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	8	1.14
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	8	1.14
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	8	1.14
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	8	1.14
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	8	1.14
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	8	1.14
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	8	1.14
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	8	1.14
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	8	1.14
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG11	1	1.14
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG12	1	1.14
(1,1886)	1:93:A:ILE:HD11	1:109:A:VAL:HG13	1	1.14
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG11	1	1.14
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG12	1	1.14
(1,1886)	1:93:A:ILE:HD12	1:109:A:VAL:HG13	1	1.14
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG11	1	1.14
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG12	1	1.14
(1,1886)	1:93:A:ILE:HD13	1:109:A:VAL:HG13	1	1.14
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD11	14	1.14
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD12	14	1.14
(1,1875)	1:122:A:LEU:HB2	1:122:A:LEU:HD13	14	1.14
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	17	1.14
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	17	1.14
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	17	1.14
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	5	1.14
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	5	1.14
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	5	1.14
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	5	1.14
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	5	1.14
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	5	1.14
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	5	1.14
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	5	1.14
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	5	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	16	1.14
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	16	1.14
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	16	1.14
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	16	1.14
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	11	1.14
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	5	1.14
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	5	1.14
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	1	1.14
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	1	1.14
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	16	1.14
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	16	1.14
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	15	1.14
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	12	1.14
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	5	1.14
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	11	1.14
(1,1691)	1:43:A:GLN:HE21	1:53:A:MET:H	11	1.14
(1,1691)	1:43:A:GLN:HE22	1:53:A:MET:H	11	1.14
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	6	1.14
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	2	1.14
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	2	1.14
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	4	1.14
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	4	1.14
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	9	1.14
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	9	1.14
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	9	1.14
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	9	1.14
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	18	1.14
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	18	1.14
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	18	1.14
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	18	1.14
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	1	1.14
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	1	1.14
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	7	1.14
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	7	1.14
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	12	1.14
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	12	1.14
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	6	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	9	1.14
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	9	1.14
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	9	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	9	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	10	1.14
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	10	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	10	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	12	1.14
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	12	1.14
(1,1626)	1:18:A:TYR:HB2	1:19:A:LEU:H	12	1.14
(1,1626)	1:18:A:TYR:HB3	1:19:A:LEU:H	12	1.14
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	9	1.14
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	9	1.14
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	9	1.14
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	9	1.14
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	18	1.14
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	18	1.14
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	18	1.14
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	18	1.14
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	19	1.14
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	20	1.14
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	20	1.14
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	20	1.14
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	20	1.14
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	19	1.14
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	19	1.14
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	9	1.14
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	9	1.14
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	9	1.14
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	9	1.14
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	15	1.14
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	15	1.14
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	15	1.14
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	15	1.14
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	5	1.14
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	5	1.14
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	8	1.14
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	8	1.14
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	1	1.14
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	16	1.14
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	2	1.14
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	2	1.14
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	8	1.14
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	8	1.14
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	20	1.14
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	20	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	20	1.14
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	6	1.14
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	13	1.14
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	19	1.14
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	19	1.14
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	9	1.14
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	6	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	12	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	12	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	12	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	12	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	15	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	15	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	15	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	15	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	16	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	16	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	16	1.14
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	16	1.14
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	19	1.14
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	19	1.14
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	19	1.14
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	19	1.14
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	19	1.14
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	6	1.14
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	19	1.14
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	8	1.14
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	2	1.14
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	2	1.14
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	11	1.14
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	11	1.14
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	18	1.14
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	18	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	2	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	4	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	8	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	9	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	14	1.14
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	17	1.14
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	17	1.14
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	17	1.14
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	17	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	17	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	1	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	2	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	4	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	5	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	12	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	13	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	14	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	15	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	17	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	19	1.14
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	20	1.14
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	20	1.14
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	20	1.14
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	20	1.14
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	20	1.14
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	10	1.14
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	10	1.14
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	14	1.14
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	14	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	1	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	2	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	3	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	4	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	5	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	6	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	7	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	8	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	9	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	10	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	11	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	12	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	13	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	15	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	16	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	17	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	18	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	19	1.14
(1,1237)	1:91:A:TYR:HA	1:92:A:ARG:H	20	1.14
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	19	1.14
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	14	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	7	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	7	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	7	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	7	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	16	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	16	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	16	1.14
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	16	1.14
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	2	1.14
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	1	1.14
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	1	1.14
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	5	1.14
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	5	1.14
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	8	1.14
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	8	1.14
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	16	1.14
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	16	1.14
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	20	1.14
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	20	1.14
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	20	1.14
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	20	1.14
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	5	1.14
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	4	1.14
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	16	1.14
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	18	1.14
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	3	1.14
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	12	1.14
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	3	1.14
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	3	1.14
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	16	1.14
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	16	1.14
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	16	1.14
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	16	1.14
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	17	1.14
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	17	1.14
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	17	1.14
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	17	1.14
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	1	1.14
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	1	1.14
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	19	1.14
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	19	1.14
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	19	1.14
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	19	1.14
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	19	1.14
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB2	13	1.14
(1,740)	1:107:A:ARG:H	1:107:A:ARG:HB3	13	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	3	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	3	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	3	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	5	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	5	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	5	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	11	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	11	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	11	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	12	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	12	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	12	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	13	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	13	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	13	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	14	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	14	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	14	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	15	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	15	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	15	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	16	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	16	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	16	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	19	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	19	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	19	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	20	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	20	1.14
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	20	1.14
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	1	1.14
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	2	1.14
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	11	1.14
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	8	1.14
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	8	1.14
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	8	1.14
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	16	1.14
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	16	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	16	1.14
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	12	1.14
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	12	1.14
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	3	1.14
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	3	1.14
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	3	1.14
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	20	1.14
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	20	1.14
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	20	1.14
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	2	1.14
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	2	1.14
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	2	1.14
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	2	1.14
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	6	1.14
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	6	1.14
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	6	1.14
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	6	1.14
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	6	1.14
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	6	1.14
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	7	1.14
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	7	1.14
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	17	1.14
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	2	1.14
(1,524)	1:192:A:ALA:HA	1:195:A:ALA:HB3	4	1.14
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	1	1.14
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	1	1.14
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	20	1.14
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	20	1.14
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	10	1.14
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	10	1.14
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	3	1.14
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	3	1.14
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	3	1.14
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	16	1.14
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	16	1.14
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	16	1.14
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	8	1.14
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	8	1.14
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	8	1.14
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	9	1.14
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	9	1.14
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	3	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	3	1.14
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	16	1.14
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	16	1.14
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	16	1.14
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	16	1.14
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	16	1.14
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	16	1.14
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	16	1.14
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	16	1.14
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	16	1.14
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	11	1.14
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	11	1.14
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	11	1.14
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	6	1.14
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	6	1.14
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	17	1.14
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	17	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	4	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	4	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	4	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	11	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	11	1.14
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	11	1.14
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	15	1.14
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	15	1.14
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	8	1.14
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	8	1.14
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	8	1.14
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	14	1.14
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	14	1.14
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	14	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	6	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	6	1.14
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	6	1.14
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	6	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	10	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	10	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	10	1.14
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	10	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	10	1.14
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	10	1.14
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	10	1.14
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	10	1.14
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	12	1.14
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	12	1.14
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	12	1.14
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	13	1.14
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	13	1.14
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	13	1.14
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	13	1.14
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	13	1.14
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	13	1.14
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	4	1.14
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	4	1.14
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	4	1.14
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	4	1.14
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	4	1.14
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB2	18	1.14
(1,93)	1:9:A:GLU:HA	1:12:A:TRP:HB3	18	1.14
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	11	1.14
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	11	1.14
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	9	1.14
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	9	1.14
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	9	1.14
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	9	1.14
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	9	1.14
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	9	1.14
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	3	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	3	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	3	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	8	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	8	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	8	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	15	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	15	1.13
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	15	1.13
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	11	1.13
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	11	1.13
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	11	1.13
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	11	1.13
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	11	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	14	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	14	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	14	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	19	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	19	1.13
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	19	1.13
(1,2174)	1:105:A:VAL:HG21	1:106:A:ASP:H	7	1.13
(1,2174)	1:105:A:VAL:HG22	1:106:A:ASP:H	7	1.13
(1,2174)	1:105:A:VAL:HG23	1:106:A:ASP:H	7	1.13
(1,2174)	1:105:A:VAL:HG11	1:106:A:ASP:H	7	1.13
(1,2174)	1:105:A:VAL:HG12	1:106:A:ASP:H	7	1.13
(1,2174)	1:105:A:VAL:HG13	1:106:A:ASP:H	7	1.13
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG21	19	1.13
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG22	19	1.13
(1,2157)	1:57:A:ARG:H	1:58:A:VAL:HG23	19	1.13
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	17	1.13
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	17	1.13
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	17	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	15	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	15	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	15	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	20	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	20	1.13
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	20	1.13
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	18	1.13
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	18	1.13
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	18	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	12	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	12	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	12	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	12	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	12	1.13
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	12	1.13
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	12	1.13
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	12	1.13
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	12	1.13
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	12	1.13
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	12	1.13
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	12	1.13
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	9	1.13
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	9	1.13
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	9	1.13
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	16	1.13
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	16	1.13
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	16	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	4	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	4	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	4	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	7	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	7	1.13
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	7	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	10	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	10	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	10	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	14	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	14	1.13
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	14	1.13
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	9	1.13
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	9	1.13
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	9	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	14	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	14	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	14	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	19	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	19	1.13
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	19	1.13
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	17	1.13
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	17	1.13
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	17	1.13
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	17	1.13
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	17	1.13
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	17	1.13
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	16	1.13
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	16	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	16	1.13
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	3	1.13
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	19	1.13
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	19	1.13
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	19	1.13
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	19	1.13
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	19	1.13
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	19	1.13
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	13	1.13
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	13	1.13
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	13	1.13
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	13	1.13
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	13	1.13
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	13	1.13
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	13	1.13
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	13	1.13
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	13	1.13
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	10	1.13
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	10	1.13
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	10	1.13
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	10	1.13
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	10	1.13
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	10	1.13
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	15	1.13
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	15	1.13
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	15	1.13
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	15	1.13
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	15	1.13
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	15	1.13
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	4	1.13
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	4	1.13
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	4	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	6	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	6	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	6	1.13
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	6	1.13
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	6	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	6	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG21	19	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG22	19	1.13
(1,1835)	1:126:A:LYS:HD2	1:128:A:VAL:HG23	19	1.13
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG21	19	1.13
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG22	19	1.13
(1,1835)	1:126:A:LYS:HD3	1:128:A:VAL:HG23	19	1.13
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	17	1.13
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	17	1.13
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	17	1.13
(1,1784)	1:13:A:GLU:H	1:14:A:GLN:H	17	1.13
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	17	1.13
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	12	1.13
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	14	1.13
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	14	1.13
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	19	1.13
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	19	1.13
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	4	1.13
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	4	1.13
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	4	1.13
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	4	1.13
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB2	11	1.13
(1,1661)	1:40:A:LYS:H	1:40:A:LYS:HB3	11	1.13
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	6	1.13
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	6	1.13
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	6	1.13
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	6	1.13
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	15	1.13
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	15	1.13
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	15	1.13
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	15	1.13
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	9	1.13
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	13	1.13
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	18	1.13
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	20	1.13
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	20	1.13
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	7	1.13
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	7	1.13
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	7	1.13
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	11	1.13
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	11	1.13
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	12	1.13
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	12	1.13
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	12	1.13
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	3	1.13
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	3	1.13
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	16	1.13
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	16	1.13
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	14	1.13
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	14	1.13
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	14	1.13
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	14	1.13
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	20	1.13
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	20	1.13
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	20	1.13
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	20	1.13
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	6	1.13
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	7	1.13
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	13	1.13
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	4	1.13
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	4	1.13
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	4	1.13
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	4	1.13
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	1	1.13
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	1	1.13
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	3	1.13
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	3	1.13
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	15	1.13
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	15	1.13
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	4	1.13
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	7	1.13
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	10	1.13
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	10	1.13
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	10	1.13
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	6	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	4	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	4	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	4	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	4	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	10	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	10	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	10	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	10	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	14	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	14	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	14	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	14	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	19	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	19	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	19	1.13
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	19	1.13
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	15	1.13
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	15	1.13
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	9	1.13
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	9	1.13
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	12	1.13
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	12	1.13
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	16	1.13
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	16	1.13
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	16	1.13
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	16	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	4	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	4	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	4	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	4	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	8	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	8	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	8	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	8	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	20	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	20	1.13
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	20	1.13
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	20	1.13
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	1	1.13
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	20	1.13
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	6	1.13
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	3	1.13
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	5	1.13
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	6	1.13
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	13	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	6	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	6	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	6	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	6	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	9	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	9	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	9	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	9	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	13	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	13	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	13	1.13
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	13	1.13
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	16	1.13
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	16	1.13
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	8	1.13
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	15	1.13
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	20	1.13
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	17	1.13
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	17	1.13
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	17	1.13
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	17	1.13
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	11	1.13
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	11	1.13
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	13	1.13
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	13	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	1	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	1	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	1	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	1	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	18	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	18	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	18	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	18	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	19	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	19	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	19	1.13
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	19	1.13
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	20	1.13
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	8	1.13
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	10	1.13
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	3	1.13
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	9	1.13
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	6	1.13
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	6	1.13
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	6	1.13
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	12	1.13
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	12	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	12	1.13
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	1	1.13
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	14	1.13
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	13	1.13
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	5	1.13
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	5	1.13
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	5	1.13
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	5	1.13
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	5	1.13
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	5	1.13
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	5	1.13
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	5	1.13
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	5	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	3	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	3	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	3	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	3	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	3	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	3	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	10	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	10	1.13
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	10	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	10	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	10	1.13
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	10	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	1	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	1	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	1	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	1	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	1	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	1	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	2	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	2	1.13
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	2	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	2	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	2	1.13
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	2	1.13
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	7	1.13
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	7	1.13
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	7	1.13
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	6	1.13
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	6	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	6	1.13
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	16	1.13
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	16	1.13
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	16	1.13
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	16	1.13
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	16	1.13
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	16	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	2	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	2	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	2	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	6	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	6	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	6	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	7	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	7	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	7	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	9	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	9	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	9	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	17	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	17	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	17	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	18	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	18	1.13
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	18	1.13
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	5	1.13
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	8	1.13
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	15	1.13
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	17	1.13
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	18	1.13
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	20	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	13	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	13	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	13	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	18	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	18	1.13
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	18	1.13
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	10	1.13
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	10	1.13
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	10	1.13
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	10	1.13
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	19	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	19	1.13
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	19	1.13
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	19	1.13
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	19	1.13
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	19	1.13
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	20	1.13
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	20	1.13
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	20	1.13
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	20	1.13
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	20	1.13
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	20	1.13
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	6	1.13
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	12	1.13
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	12	1.13
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	12	1.13
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	6	1.13
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	6	1.13
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	6	1.13
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	8	1.13
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	8	1.13
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	8	1.13
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	9	1.13
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	9	1.13
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	9	1.13
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	11	1.13
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	11	1.13
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	11	1.13
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	17	1.13
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	17	1.13
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	17	1.13
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	16	1.13
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	16	1.13
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	1	1.13
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	1	1.13
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	1	1.13
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	16	1.13
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	16	1.13
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	16	1.13
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	14	1.13
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	14	1.13
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	14	1.13
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	20	1.13
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	3	1.13
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	3	1.13
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	3	1.13
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	3	1.13
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	3	1.13
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	3	1.13
(1,566)	1:225:A:LYS:HB2	1:226:A:LEU:H	17	1.13
(1,566)	1:225:A:LYS:HB3	1:226:A:LEU:H	17	1.13
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	3	1.13
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	3	1.13
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	3	1.13
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	3	1.13
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	3	1.13
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	3	1.13
(1,528)	1:113:A:LEU:HA	1:116:A:TRP:HD1	4	1.13
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	12	1.13
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	12	1.13
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	18	1.13
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	18	1.13
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	12	1.13
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	12	1.13
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	19	1.13
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	19	1.13
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	18	1.13
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	18	1.13
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	18	1.13
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	18	1.13
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	18	1.13
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	18	1.13
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	13	1.13
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	11	1.13
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	11	1.13
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	11	1.13
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	11	1.13
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	11	1.13
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	11	1.13
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	4	1.13
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	4	1.13
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	4	1.13
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	4	1.13
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	4	1.13
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB2	17	1.13
(1,328)	1:121:A:PRO:HD2	1:238:A:TYR:HB3	17	1.13
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	14	1.13
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	14	1.13
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	14	1.13
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	14	1.13
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	14	1.13
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	14	1.13
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	4	1.13
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	4	1.13
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	7	1.13
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	7	1.13
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	7	1.13
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	12	1.13
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	12	1.13
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	12	1.13
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	2	1.13
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	2	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	6	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	6	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	6	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	14	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	14	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	14	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	16	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	16	1.13
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	16	1.13
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	15	1.13
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	15	1.13
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	15	1.13
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	15	1.13
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	15	1.13
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	15	1.13
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	17	1.13
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	3	1.13
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	12	1.13
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	11	1.13
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	11	1.13
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	11	1.13
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	14	1.13
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	14	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	14	1.13
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	14	1.13
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	20	1.13
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	15	1.13
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	15	1.13
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	18	1.13
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	18	1.13
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	18	1.13
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	18	1.13
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	18	1.13
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	18	1.13
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	16	1.12
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	16	1.12
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	16	1.12
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	2	1.12
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	2	1.12
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	2	1.12
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	6	1.12
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	6	1.12
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	6	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	1	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	2	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	7	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	7	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	7	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	7	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	7	1.12
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	7	1.12
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	2	1.12
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	2	1.12
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	2	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	14	1.12
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	14	1.12
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	11	1.12
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	11	1.12
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	11	1.12
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	8	1.12
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	8	1.12
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	8	1.12
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	12	1.12
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	12	1.12
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	12	1.12
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	17	1.12
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	17	1.12
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	17	1.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	17	1.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	17	1.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	17	1.12
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	4	1.12
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	4	1.12
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	4	1.12
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	6	1.12
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	6	1.12
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	6	1.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	5	1.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	5	1.12
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	5	1.12
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	1	1.12
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	1	1.12
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	1	1.12
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	12	1.12
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	12	1.12
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	12	1.12
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	12	1.12
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	12	1.12
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	12	1.12
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	17	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	17	1.12
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	17	1.12
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	17	1.12
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	17	1.12
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	17	1.12
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	10	1.12
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	10	1.12
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	10	1.12
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	13	1.12
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	13	1.12
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	13	1.12
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	13	1.12
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	13	1.12
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	13	1.12
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	7	1.12
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	7	1.12
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	7	1.12
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	2	1.12
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	2	1.12
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	2	1.12
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	4	1.12
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	4	1.12
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	4	1.12
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	1	1.12
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	1	1.12
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	1	1.12
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	1	1.12
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	1	1.12
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	1	1.12
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	1	1.12
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	1	1.12
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	1	1.12
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	6	1.12
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	6	1.12
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	6	1.12
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	6	1.12
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	6	1.12
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	6	1.12
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	3	1.12
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	3	1.12
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	3	1.12
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	3	1.12
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	3	1.12
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	2	1.12
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	2	1.12
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	2	1.12
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	2	1.12
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	2	1.12
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	2	1.12
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	2	1.12
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	2	1.12
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	2	1.12
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	20	1.12
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	20	1.12
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	20	1.12
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	20	1.12
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	20	1.12
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	20	1.12
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	20	1.12
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	20	1.12
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	20	1.12
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	3	1.12
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	3	1.12
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	3	1.12
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	14	1.12
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	14	1.12
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	14	1.12
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	20	1.12
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	20	1.12
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	20	1.12
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	20	1.12
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	20	1.12
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	20	1.12
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	20	1.12
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	20	1.12
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	20	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	2	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	2	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	2	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	5	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	5	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	5	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	7	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	7	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	9	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	9	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	9	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	19	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	19	1.12
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	19	1.12
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	5	1.12
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	5	1.12
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	5	1.12
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	5	1.12
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	5	1.12
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	5	1.12
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	16	1.12
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	16	1.12
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	16	1.12
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	16	1.12
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	16	1.12
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	16	1.12
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	6	1.12
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	6	1.12
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	6	1.12
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	14	1.12
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	14	1.12
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	19	1.12
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	19	1.12
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	2	1.12
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	19	1.12
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	6	1.12
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	6	1.12
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	10	1.12
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	10	1.12
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	5	1.12
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	5	1.12
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	5	1.12
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	5	1.12
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	4	1.12
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	4	1.12
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	4	1.12
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	4	1.12
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	12	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	1	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	1	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	1	1.12
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	1	1.12
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	8	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	8	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	8	1.12
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	8	1.12
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	15	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	15	1.12
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	15	1.12
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	15	1.12
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	12	1.12
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	9	1.12
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	9	1.12
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	9	1.12
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	9	1.12
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	9	1.12
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	4	1.12
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	4	1.12
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	4	1.12
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	13	1.12
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	13	1.12
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	13	1.12
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	14	1.12
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	14	1.12
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	14	1.12
(1,1572)	1:210:A:ALA:HB1	1:211:A:VAL:H	18	1.12
(1,1572)	1:210:A:ALA:HB2	1:211:A:VAL:H	18	1.12
(1,1572)	1:210:A:ALA:HB3	1:211:A:VAL:H	18	1.12
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	7	1.12
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	7	1.12
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	15	1.12
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	15	1.12
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	4	1.12
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	9	1.12
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	4	1.12
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	4	1.12
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	13	1.12
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	13	1.12
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	19	1.12
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	19	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	8	1.12
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	8	1.12
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	12	1.12
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	12	1.12
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	14	1.12
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	14	1.12
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	1	1.12
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	1	1.12
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	19	1.12
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	19	1.12
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	19	1.12
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	3	1.12
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	9	1.12
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	20	1.12
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	4	1.12
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	6	1.12
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	12	1.12
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	20	1.12
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	11	1.12
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	11	1.12
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	7	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	2	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	2	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	2	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	2	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	20	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	20	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	20	1.12
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	20	1.12
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	18	1.12
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	18	1.12
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	18	1.12
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	7	1.12
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	7	1.12
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	15	1.12
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	15	1.12
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	2	1.12
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	6	1.12
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	6	1.12
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	6	1.12
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	4	1.12
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	4	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	18	1.12
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	18	1.12
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	4	1.12
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	10	1.12
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	18	1.12
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	10	1.12
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	10	1.12
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	12	1.12
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	19	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	3	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	3	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	3	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	3	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	4	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	4	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	4	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	4	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	7	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	7	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	7	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	7	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	10	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	10	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	10	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	10	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	12	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	12	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	12	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	12	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	14	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	14	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	14	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	14	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	18	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	18	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	18	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	18	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	19	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	19	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	19	1.12
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	19	1.12
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	8	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	8	1.12
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	8	1.12
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	8	1.12
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	8	1.12
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	8	1.12
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	1	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	7	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	7	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	11	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	11	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	16	1.12
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	16	1.12
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	2	1.12
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	6	1.12
(1,1227)	1:89:A:VAL:HA	1:90:A:THR:H	18	1.12
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	10	1.12
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	10	1.12
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	6	1.12
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	11	1.12
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	20	1.12
(1,1148)	1:204:A:HIS:HA	1:205:A:SER:H	12	1.12
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	16	1.12
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	19	1.12
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	2	1.12
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	20	1.12
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	3	1.12
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	3	1.12
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	1	1.12
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	1	1.12
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG21	5	1.12
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG22	5	1.12
(1,867)	1:231:A:ILE:HA	1:234:A:ILE:HG23	5	1.12
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG21	15	1.12
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG22	15	1.12
(1,837)	1:202:A:MET:HE1	1:234:A:ILE:HG23	15	1.12
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG21	15	1.12
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG22	15	1.12
(1,837)	1:202:A:MET:HE2	1:234:A:ILE:HG23	15	1.12
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG21	15	1.12
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG22	15	1.12
(1,837)	1:202:A:MET:HE3	1:234:A:ILE:HG23	15	1.12
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	18	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	18	1.12
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	18	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	1	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	1	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	1	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	1	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	1	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	1	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	18	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	18	1.12
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	18	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	18	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	18	1.12
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	18	1.12
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	16	1.12
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	16	1.12
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	16	1.12
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	18	1.12
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	18	1.12
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	18	1.12
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	11	1.12
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	11	1.12
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	11	1.12
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	11	1.12
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG21	8	1.12
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG22	8	1.12
(1,735)	1:104:A:THR:HA	1:104:A:THR:HG23	8	1.12
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	12	1.12
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	12	1.12
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	7	1.12
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	9	1.12
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	10	1.12
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	20	1.12
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	20	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	4	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	4	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	4	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	20	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	20	1.12
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	20	1.12
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	15	1.12
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	15	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	1	1.12
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	1	1.12
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	1	1.12
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	3	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	3	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	3	1.12
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	3	1.12
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	6	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	6	1.12
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	6	1.12
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	6	1.12
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	16	1.12
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	16	1.12
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	16	1.12
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	16	1.12
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	3	1.12
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	4	1.12
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	5	1.12
(1,534)	1:138:A:PHE:HA	1:172:A:PHE:H	16	1.12
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	1	1.12
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	1	1.12
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	5	1.12
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	5	1.12
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	9	1.12
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	9	1.12
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	14	1.12
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	14	1.12
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	19	1.12
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	19	1.12
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	9	1.12
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	9	1.12
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	9	1.12
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	9	1.12
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	3	1.12
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	3	1.12
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	3	1.12
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	3	1.12
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	3	1.12
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	3	1.12
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	3	1.12
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	3	1.12
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	3	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	11	1.12
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	11	1.12
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	11	1.12
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	18	1.12
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	18	1.12
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	18	1.12
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	11	1.12
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	11	1.12
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	11	1.12
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	3	1.12
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	3	1.12
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	3	1.12
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	2	1.12
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	2	1.12
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	2	1.12
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	10	1.12
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	10	1.12
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	3	1.12
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	4	1.12
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	5	1.12
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	5	1.12
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	5	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	9	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	9	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	9	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	17	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	17	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	17	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	19	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	19	1.12
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	19	1.12
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	17	1.12
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	17	1.12
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	5	1.12
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	5	1.12
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	5	1.12
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	5	1.12
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	5	1.12
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	5	1.12
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	5	1.12
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	10	1.12
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	10	1.12
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	18	1.12
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	18	1.12
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	18	1.12
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	19	1.12
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	1	1.12
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	10	1.12
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	10	1.12
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	10	1.12
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	10	1.12
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	14	1.12
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	6	1.12
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	6	1.12
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	12	1.12
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	12	1.12
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	14	1.12
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	14	1.12
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	14	1.12
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	7	1.11
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	7	1.11
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	7	1.11
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	7	1.11
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	7	1.11
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	7	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	14	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	14	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	14	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	14	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	14	1.11
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	14	1.11
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	7	1.11
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	7	1.11
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	7	1.11
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	15	1.11
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	15	1.11
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	15	1.11
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	11	1.11
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	11	1.11
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	11	1.11
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	1	1.11
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	1	1.11
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	1	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	5	1.11
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	5	1.11
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	5	1.11
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	8	1.11
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	8	1.11
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	8	1.11
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	18	1.11
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	18	1.11
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	18	1.11
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	11	1.11
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	11	1.11
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	11	1.11
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	11	1.11
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	11	1.11
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	11	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	5	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	5	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	17	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	17	1.11
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	17	1.11
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	10	1.11
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	10	1.11
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	10	1.11
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	10	1.11
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	10	1.11
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	10	1.11
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	9	1.11
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	9	1.11
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	17	1.11
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	17	1.11
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	17	1.11
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	17	1.11
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	17	1.11
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	17	1.11
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	17	1.11
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	17	1.11
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	17	1.11
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	17	1.11
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	17	1.11
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	6	1.11
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	6	1.11
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	6	1.11
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	11	1.11
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	11	1.11
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	11	1.11
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	11	1.11
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	11	1.11
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	11	1.11
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	8	1.11
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	8	1.11
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	8	1.11
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	5	1.11
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	5	1.11
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	5	1.11
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	7	1.11
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	7	1.11
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	7	1.11
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	18	1.11
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	18	1.11
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	18	1.11
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	17	1.11
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	17	1.11
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	17	1.11
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	17	1.11
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	17	1.11
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	17	1.11
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	17	1.11
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	17	1.11
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	17	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	2	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	2	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	2	1.11
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	2	1.11
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	2	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	12	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	12	1.11
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	12	1.11
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	12	1.11
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	12	1.11
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	12	1.11
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	6	1.11
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	6	1.11
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	6	1.11
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	18	1.11
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	18	1.11
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	18	1.11
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	18	1.11
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	18	1.11
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	18	1.11
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	18	1.11
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	18	1.11
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	18	1.11
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	11	1.11
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	11	1.11
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	11	1.11
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	11	1.11
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	11	1.11
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	11	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	6	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	6	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	6	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	7	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	7	1.11
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	7	1.11
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	15	1.11
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	15	1.11
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	15	1.11
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	15	1.11
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	15	1.11
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	15	1.11
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	15	1.11
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	15	1.11
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	15	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	3	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	3	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	3	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	6	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	6	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	6	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	12	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	12	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	12	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	13	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	13	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	13	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	16	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	16	1.11
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	16	1.11
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	13	1.11
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	13	1.11
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	13	1.11
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	13	1.11
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	13	1.11
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	13	1.11
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	13	1.11
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	13	1.11
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	13	1.11
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	20	1.11
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	20	1.11
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	20	1.11
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	20	1.11
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	20	1.11
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	20	1.11
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	16	1.11
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	16	1.11
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	16	1.11
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	16	1.11
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	16	1.11
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	16	1.11
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	16	1.11
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	16	1.11
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	16	1.11
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	6	1.11
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	6	1.11
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	6	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	6	1.11
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	6	1.11
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	6	1.11
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	18	1.11
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	18	1.11
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	18	1.11
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	18	1.11
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	18	1.11
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	18	1.11
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	1	1.11
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	13	1.11
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	9	1.11
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	13	1.11
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	13	1.11
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	3	1.11
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	3	1.11
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	3	1.11
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	3	1.11
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	12	1.11
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	12	1.11
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	12	1.11
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	12	1.11
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	8	1.11
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	8	1.11
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	10	1.11
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	10	1.11
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	10	1.11
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	10	1.11
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	10	1.11
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	10	1.11
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	10	1.11
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	15	1.11
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	3	1.11
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	3	1.11
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	3	1.11
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	3	1.11
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	5	1.11
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	5	1.11
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	5	1.11
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	5	1.11
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	14	1.11
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	2	1.11
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	17	1.11
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	17	1.11
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	5	1.11
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	5	1.11
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	10	1.11
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	10	1.11
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	16	1.11
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	16	1.11
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	13	1.11
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	13	1.11
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	13	1.11
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	14	1.11
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	1	1.11
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	1	1.11
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	5	1.11
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	5	1.11
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	20	1.11
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	14	1.11
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	2	1.11
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	18	1.11
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	20	1.11
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	20	1.11
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	20	1.11
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	12	1.11
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	7	1.11
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	7	1.11
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	7	1.11
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	6	1.11
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	6	1.11
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	13	1.11
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	9	1.11
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	10	1.11
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	18	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	1	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	1	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	1	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	1	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	2	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	2	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	2	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	2	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	11	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	11	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	11	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	11	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	15	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	15	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	15	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	15	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	16	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	16	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	16	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	16	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	20	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	20	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	20	1.11
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	20	1.11
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	8	1.11
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	8	1.11
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	4	1.11
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	4	1.11
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	4	1.11
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	4	1.11
(1,1279)	1:104:A:THR:H	1:104:A:THR:HB	10	1.11
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	5	1.11
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	5	1.11
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	6	1.11
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	6	1.11
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	17	1.11
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	17	1.11
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	6	1.11
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	6	1.11
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	6	1.11
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	6	1.11
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	6	1.11
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	5	1.11
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	5	1.11
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	8	1.11
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	15	1.11
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	15	1.11
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	15	1.11
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	15	1.11
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	8	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	8	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	8	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	8	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	9	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	9	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	9	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	9	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	12	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	12	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	12	1.11
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	12	1.11
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	12	1.11
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	12	1.11
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	8	1.11
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	16	1.11
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	7	1.11
(1,1160)	1:231:A:ILE:H	1:231:A:ILE:HB	19	1.11
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	1	1.11
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	1	1.11
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	11	1.11
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	11	1.11
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	11	1.11
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	10	1.11
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	10	1.11
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	10	1.11
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	15	1.11
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	15	1.11
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	15	1.11
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	11	1.11
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	5	1.11
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	18	1.11
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	2	1.11
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	2	1.11
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	7	1.11
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	7	1.11
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	14	1.11
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	14	1.11
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	19	1.11
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	19	1.11
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	19	1.11
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	19	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	19	1.11
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	19	1.11
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	2	1.11
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	2	1.11
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	2	1.11
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	2	1.11
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	2	1.11
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	2	1.11
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	11	1.11
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	11	1.11
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	20	1.11
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	20	1.11
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	20	1.11
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	20	1.11
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	20	1.11
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	20	1.11
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	19	1.11
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	19	1.11
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	19	1.11
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	11	1.11
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	20	1.11
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	14	1.11
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	14	1.11
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	15	1.11
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG21	20	1.11
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG22	20	1.11
(1,669)	1:59:A:ILE:HA	1:59:A:ILE:HG23	20	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	1	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	1	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	1	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	1	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	5	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	5	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	5	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	5	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	18	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	18	1.11
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	18	1.11
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	18	1.11
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	2	1.11
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	13	1.11
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	13	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	6	1.11
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	6	1.11
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	6	1.11
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	17	1.11
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	17	1.11
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	17	1.11
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	1	1.11
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	1	1.11
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	20	1.11
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	20	1.11
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	16	1.11
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	16	1.11
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	16	1.11
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	16	1.11
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	16	1.11
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	16	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	8	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	8	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	8	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	9	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	9	1.11
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	9	1.11
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	13	1.11
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	13	1.11
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	14	1.11
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	14	1.11
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	14	1.11
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	14	1.11
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	14	1.11
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	14	1.11
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	19	1.11
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	19	1.11
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	19	1.11
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	19	1.11
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	19	1.11
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	19	1.11
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	10	1.11
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	4	1.11
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	13	1.11
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	13	1.11
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	16	1.11
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	1	1.11
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	1	1.11
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	17	1.11
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	17	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	1	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	1	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	1	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	1	1.11
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	1	1.11
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	1	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	9	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	9	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	9	1.11
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	9	1.11
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	9	1.11
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	9	1.11
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	20	1.11
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	20	1.11
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	20	1.11
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	20	1.11
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	20	1.11
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	20	1.11
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	15	1.11
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	15	1.11
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	9	1.11
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	9	1.11
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	20	1.11
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	20	1.11
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	20	1.11
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	7	1.11
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	7	1.11
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	7	1.11
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	12	1.11
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	12	1.11
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	12	1.11
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	11	1.11
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	11	1.11
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	11	1.11
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	1.11
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	1.11
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	1.11
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	1.11
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	1.11
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	1.11
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	1.11
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	1.11
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	7	1.11
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	10	1.11
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	6	1.11
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	6	1.11
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	6	1.11
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	6	1.11
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	8	1.11
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	8	1.11
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	8	1.11
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	8	1.11
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	8	1.11
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	8	1.11
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	14	1.11
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	14	1.11
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	14	1.11
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	19	1.11
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	19	1.11
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	2	1.11
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	2	1.11
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	2	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	1	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	1	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	1	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	19	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	19	1.11
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	19	1.11
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	8	1.11
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	8	1.11
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	8	1.11
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	8	1.11
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	17	1.11
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	17	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	17	1.11
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	17	1.11
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	17	1.11
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	17	1.11
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	1	1.11
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	1	1.11
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	1	1.11
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	10	1.11
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	6	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	12	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	12	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	19	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	19	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	20	1.11
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	20	1.11
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	4	1.11
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	16	1.11
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	8	1.11
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	8	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	10	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	10	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	10	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	17	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	17	1.11
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	17	1.11
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	16	1.11
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	16	1.11
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	10	1.11
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	10	1.11
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	16	1.1
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	16	1.1
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	16	1.1
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	19	1.1
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	19	1.1
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	19	1.1
(1,2249)	1:69:A:VAL:HG11	1:159:A:ALA:H	17	1.1
(1,2249)	1:69:A:VAL:HG12	1:159:A:ALA:H	17	1.1
(1,2249)	1:69:A:VAL:HG13	1:159:A:ALA:H	17	1.1
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	10	1.1
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	10	1.1
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	10	1.1
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	20	1.1
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	20	1.1
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	1.1
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	1.1
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	1.1
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	13	1.1
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	13	1.1
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	13	1.1
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	20	1.1
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	20	1.1
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	20	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	2	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	2	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	2	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	2	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	2	1.1
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	2	1.1
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	7	1.1
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	7	1.1
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	7	1.1
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	13	1.1
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	13	1.1
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	13	1.1
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	6	1.1
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	6	1.1
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	6	1.1
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	17	1.1
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	17	1.1
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	17	1.1
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	17	1.1
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	17	1.1
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	17	1.1
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	11	1.1
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	11	1.1
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	11	1.1
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	11	1.1
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	11	1.1
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	11	1.1
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	11	1.1
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	11	1.1
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	11	1.1
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	14	1.1
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	14	1.1
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	14	1.1
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	14	1.1
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	14	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	10	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	10	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	10	1.1
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	10	1.1
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	10	1.1
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	10	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	10	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	10	1.1
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	10	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	4	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	4	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	4	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	16	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	16	1.1
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	16	1.1
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	10	1.1
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	10	1.1
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	10	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	12	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	12	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	12	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	18	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	18	1.1
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	18	1.1
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD11	3	1.1
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD12	3	1.1
(1,2001)	1:200:A:LEU:HB3	1:200:A:LEU:HD13	3	1.1
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD11	11	1.1
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD12	11	1.1
(1,1997)	1:19:A:LEU:HB3	1:19:A:LEU:HD13	11	1.1
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD11	4	1.1
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD12	4	1.1
(1,1985)	1:237:A:LEU:HA	1:237:A:LEU:HD13	4	1.1
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	4	1.1
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	4	1.1
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	4	1.1
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	1.1
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	1	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	1	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	1	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	5	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	5	1.1
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	5	1.1
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	5	1.1
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	5	1.1
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	5	1.1
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	5	1.1
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	5	1.1
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	5	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	18	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	18	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	18	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	18	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	18	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	18	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	20	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	20	1.1
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	20	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	20	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	20	1.1
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	20	1.1
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	11	1.1
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	11	1.1
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	11	1.1
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	7	1.1
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	7	1.1
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	7	1.1
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	7	1.1
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	7	1.1
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	7	1.1
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	7	1.1
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	7	1.1
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	7	1.1
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	20	1.1
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	20	1.1
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	20	1.1
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	4	1.1
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	4	1.1
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	4	1.1
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	15	1.1
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	15	1.1
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	15	1.1
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	15	1.1
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	8	1.1
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	8	1.1
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	4	1.1
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	4	1.1
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	3	1.1
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	3	1.1
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	3	1.1
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	2	1.1
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	5	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	5	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	5	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	7	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	7	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	18	1.1
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	18	1.1
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	13	1.1
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	20	1.1
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	11	1.1
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	11	1.1
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	14	1.1
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	14	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	14	1.1
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	14	1.1
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	17	1.1
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	17	1.1
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	20	1.1
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	20	1.1
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	20	1.1
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	20	1.1
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	13	1.1
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	12	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	2	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	2	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	2	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	2	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	12	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	12	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	12	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	12	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	14	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	14	1.1
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	14	1.1
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	14	1.1
(1,1597)	1:230:A:ASP:HA	1:233:A:GLY:H	3	1.1
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	9	1.1
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	14	1.1
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	14	1.1
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	8	1.1
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	8	1.1
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	8	1.1
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	8	1.1
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	7	1.1
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	7	1.1
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	7	1.1
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	7	1.1
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	18	1.1
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	18	1.1
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	9	1.1
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	9	1.1
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	15	1.1
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	15	1.1
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	19	1.1
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	19	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	3	1.1
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	5	1.1
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	9	1.1
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	9	1.1
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	7	1.1
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB3	3	1.1
(1,1439)	1:156:A:LEU:H	1:156:A:LEU:HB2	3	1.1
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	6	1.1
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	12	1.1
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	12	1.1
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	5	1.1
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	12	1.1
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	14	1.1
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	6	1.1
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	6	1.1
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	7	1.1
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	7	1.1
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	19	1.1
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	19	1.1
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	7	1.1
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	16	1.1
(1,1351)	1:120:A:ILE:HB	1:122:A:LEU:H	15	1.1
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	5	1.1
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	8	1.1
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	20	1.1
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	5	1.1
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	5	1.1
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	5	1.1
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	5	1.1
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	9	1.1
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	11	1.1
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	5	1.1
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	2	1.1
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	2	1.1
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	17	1.1
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	2	1.1
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	2	1.1
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	14	1.1
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	15	1.1
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	15	1.1
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	15	1.1
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	4	1.1
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	4	1.1
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	4	1.1
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	4	1.1
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	19	1.1
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	13	1.1
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	8	1.1
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	8	1.1
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	19	1.1
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	9	1.1
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	9	1.1
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	9	1.1
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	9	1.1
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	2	1.1
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	2	1.1
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	5	1.1
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	5	1.1
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	5	1.1
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	6	1.1
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	6	1.1
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	6	1.1
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	16	1.1
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	16	1.1
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	16	1.1
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	16	1.1
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	16	1.1
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	16	1.1
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	2	1.1
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	2	1.1
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	2	1.1
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	13	1.1
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	13	1.1
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	13	1.1
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	13	1.1
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	13	1.1
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	13	1.1
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	15	1.1
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	15	1.1
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	15	1.1
(1,796)	1:155:A:THR:HG21	1:156:A:LEU:H	3	1.1
(1,796)	1:155:A:THR:HG22	1:156:A:LEU:H	3	1.1
(1,796)	1:155:A:THR:HG23	1:156:A:LEU:H	3	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	14	1.1
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	6	1.1
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	6	1.1
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	15	1.1
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	15	1.1
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	4	1.1
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	4	1.1
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	1	1.1
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	1	1.1
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	5	1.1
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	5	1.1
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	2	1.1
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	2	1.1
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	2	1.1
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	2	1.1
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	15	1.1
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	15	1.1
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	15	1.1
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	15	1.1
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	13	1.1
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	18	1.1
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	18	1.1
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	18	1.1
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	18	1.1
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	4	1.1
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	4	1.1
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	4	1.1
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	4	1.1
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	4	1.1
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	4	1.1
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	2	1.1
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	2	1.1
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	19	1.1
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	19	1.1
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	19	1.1
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	19	1.1
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	9	1.1
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	9	1.1
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	9	1.1
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	9	1.1
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	9	1.1
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	20	1.1
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	20	1.1
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	20	1.1
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	20	1.1
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	20	1.1
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	20	1.1
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	4	1.1
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	4	1.1
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	3	1.1
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	3	1.1
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	12	1.1
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	12	1.1
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	12	1.1
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	12	1.1
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	11	1.1
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	11	1.1
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	11	1.1
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	18	1.1
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	18	1.1
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	18	1.1
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	18	1.1
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	18	1.1
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	18	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	19	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	19	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	19	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	19	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	19	1.1
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	19	1.1
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	17	1.1
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	17	1.1
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	17	1.1
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	17	1.1
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	17	1.1
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	17	1.1
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	4	1.1
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	4	1.1
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	4	1.1
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	9	1.1
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	9	1.1
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	9	1.1
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	9	1.1
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	9	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	7	1.1
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	7	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	7	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	14	1.1
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	14	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	14	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	20	1.1
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	20	1.1
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	20	1.1
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	5	1.1
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	5	1.1
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	5	1.1
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	14	1.1
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD11	8	1.1
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD12	8	1.1
(1,258)	1:46:A:PHE:HB2	1:61:A:ILE:HD13	8	1.1
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD11	8	1.1
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD12	8	1.1
(1,258)	1:46:A:PHE:HB3	1:61:A:ILE:HD13	8	1.1
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	12	1.1
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	12	1.1
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	12	1.1
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	12	1.1
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	12	1.1
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	12	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	4	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	4	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	4	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	15	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	15	1.1
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	15	1.1
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	3	1.1
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	3	1.1
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	3	1.1
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	4	1.1
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	4	1.1
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	4	1.1
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	4	1.1
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	4	1.1
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	4	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	19	1.1
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	19	1.1
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	19	1.1
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	19	1.1
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	19	1.1
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	19	1.1
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	16	1.1
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	16	1.1
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	16	1.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	12	1.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	12	1.1
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	12	1.1
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	3	1.1
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	15	1.1
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	7	1.1
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	7	1.1
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	7	1.1
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	13	1.1
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	15	1.1
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	15	1.1
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	15	1.1
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD1	17	1.1
(1,83)	1:46:A:PHE:HA	1:46:A:PHE:HD2	17	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	15	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	15	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	15	1.1
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	15	1.1
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	7	1.1
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	8	1.1
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	18	1.1
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	19	1.1
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	20	1.1
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	2	1.1
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	2	1.1
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	2	1.1
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	2	1.1
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	2	1.1
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	2	1.1
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	8	1.1
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	8	1.1
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	8	1.1
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	14	1.1
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	14	1.1
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	17	1.1
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	17	1.1
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	17	1.1
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	17	1.1
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	17	1.1
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	17	1.1
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	7	1.09
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	7	1.09
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	7	1.09
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	16	1.09
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	16	1.09
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	16	1.09
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	18	1.09
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	18	1.09
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	18	1.09
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	7	1.09
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	7	1.09
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	7	1.09
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	1	1.09
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	1	1.09
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	1	1.09
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	5	1.09
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	5	1.09
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	5	1.09
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	12	1.09
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	12	1.09
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	12	1.09
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	16	1.09
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	16	1.09
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	16	1.09
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	8	1.09
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	8	1.09
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	8	1.09
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	3	1.09
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	3	1.09
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	3	1.09
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	12	1.09
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	12	1.09
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	12	1.09
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	16	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	16	1.09
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	16	1.09
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	18	1.09
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	18	1.09
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	18	1.09
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	16	1.09
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	16	1.09
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	16	1.09
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	1	1.09
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	1	1.09
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	1	1.09
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	1	1.09
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	1	1.09
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	1	1.09
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	1	1.09
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	1	1.09
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	1	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	12	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	12	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	12	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	15	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	15	1.09
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	15	1.09
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	17	1.09
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	17	1.09
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	17	1.09
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	9	1.09
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	9	1.09
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	9	1.09
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	18	1.09
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	18	1.09
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	18	1.09
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	18	1.09
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	18	1.09
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	18	1.09
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	13	1.09
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	13	1.09
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	13	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	13	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	13	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	13	1.09
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	19	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	19	1.09
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	19	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	19	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	19	1.09
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	19	1.09
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	1	1.09
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	1	1.09
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	1	1.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	8	1.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	8	1.09
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	8	1.09
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	2	1.09
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	2	1.09
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	2	1.09
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	2	1.09
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	2	1.09
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	2	1.09
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	2	1.09
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	2	1.09
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	2	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	10	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	10	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	10	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	18	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	18	1.09
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	18	1.09
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	4	1.09
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	4	1.09
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	4	1.09
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	4	1.09
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	10	1.09
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	10	1.09
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	10	1.09
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	10	1.09
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	2	1.09
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	2	1.09
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	7	1.09
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	7	1.09
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	8	1.09
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	8	1.09
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	9	1.09
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	11	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	13	1.09
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	13	1.09
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	13	1.09
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	6	1.09
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	6	1.09
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	6	1.09
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	1	1.09
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	14	1.09
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	16	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	1	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	2	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	3	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	4	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	5	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	6	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	8	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	10	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	13	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	15	1.09
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	18	1.09
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	9	1.09
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	9	1.09
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	19	1.09
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	19	1.09
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	8	1.09
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	8	1.09
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	12	1.09
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	12	1.09
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	5	1.09
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	5	1.09
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	5	1.09
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	5	1.09
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	19	1.09
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	19	1.09
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	6	1.09
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	5	1.09
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	5	1.09
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	5	1.09
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	5	1.09
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	13	1.09
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	13	1.09
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	13	1.09
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	19	1.09
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	19	1.09
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	19	1.09
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	19	1.09
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	14	1.09
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	14	1.09
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	16	1.09
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	16	1.09
(1,1535)	1:195:A:ALA:HB3	1:196:A:LEU:H	5	1.09
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	19	1.09
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	6	1.09
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	6	1.09
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	11	1.09
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	11	1.09
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	11	1.09
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	11	1.09
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	12	1.09
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	18	1.09
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	18	1.09
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	1	1.09
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	3	1.09
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	13	1.09
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	5	1.09
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	5	1.09
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	17	1.09
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	17	1.09
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	2	1.09
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	2	1.09
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	3	1.09
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	3	1.09
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	1	1.09
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	12	1.09
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	18	1.09
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	7	1.09
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	7	1.09
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	7	1.09
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	10	1.09
(1,1317)	1:112:A:ALA:H	1:113:A:LEU:H	15	1.09
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	8	1.09
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	8	1.09
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB2	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:109:A:VAL:H	1:108:A:LEU:HB3	8	1.09
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	14	1.09
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	14	1.09
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	15	1.09
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	12	1.09
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	12	1.09
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	12	1.09
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	12	1.09
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	20	1.09
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	20	1.09
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	1	1.09
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	9	1.09
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	14	1.09
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	11	1.09
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	16	1.09
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	16	1.09
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	16	1.09
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	19	1.09
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	12	1.09
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	6	1.09
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	17	1.09
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	17	1.09
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	8	1.09
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	10	1.09
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	10	1.09
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	16	1.09
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	16	1.09
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	2	1.09
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	2	1.09
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	9	1.09
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	9	1.09
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	19	1.09
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	19	1.09
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	15	1.09
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	15	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	2	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	3	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	4	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	5	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	6	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	8	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	9	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	10	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	12	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	13	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	17	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	18	1.09
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	19	1.09
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	4	1.09
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	15	1.09
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	15	1.09
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	15	1.09
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	15	1.09
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	15	1.09
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	15	1.09
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	4	1.09
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	4	1.09
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	11	1.09
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	11	1.09
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	11	1.09
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	11	1.09
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	14	1.09
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	14	1.09
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	14	1.09
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	14	1.09
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	14	1.09
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	14	1.09
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	12	1.09
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	12	1.09
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	12	1.09
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	16	1.09
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	16	1.09
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	16	1.09
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	4	1.09
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	4	1.09
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	10	1.09
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	10	1.09
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	10	1.09
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	12	1.09
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	12	1.09
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	12	1.09
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	11	1.09
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	20	1.09
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	20	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	7	1.09
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	7	1.09
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	2	1.09
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	2	1.09
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	15	1.09
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	15	1.09
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	6	1.09
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	6	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	3	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	3	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	3	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	7	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	7	1.09
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	7	1.09
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	17	1.09
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	17	1.09
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	18	1.09
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	18	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	4	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	4	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	4	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	6	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	6	1.09
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	6	1.09
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	6	1.09
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	6	1.09
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	6	1.09
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	19	1.09
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	19	1.09
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	19	1.09
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	2	1.09
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	16	1.09
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	11	1.09
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	11	1.09
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	18	1.09
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	18	1.09
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	18	1.09
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	2	1.09
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	2	1.09
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	2	1.09
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	8	1.09
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	8	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	18	1.09
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	18	1.09
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	7	1.09
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	15	1.09
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	6	1.09
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	6	1.09
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	6	1.09
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	6	1.09
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	6	1.09
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	6	1.09
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	3	1.09
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	3	1.09
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	3	1.09
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	3	1.09
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	18	1.09
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	15	1.09
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	15	1.09
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	15	1.09
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	11	1.09
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	11	1.09
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	11	1.09
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	4	1.09
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	19	1.09
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	13	1.09
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	13	1.09
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	13	1.09
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	19	1.09
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	14	1.09
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	14	1.09
(1,37)	1:172:A:PHE:HA	1:178:A:TRP:HZ2	12	1.09
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	1	1.09
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	1	1.09
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	14	1.09
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	14	1.09
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	18	1.09
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	18	1.09
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	3	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	3	1.09
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	3	1.09
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	3	1.09
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	3	1.09
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	3	1.09
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	11	1.09
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	11	1.09
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	11	1.09
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	11	1.09
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	11	1.09
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	11	1.09
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	1	1.08
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	1	1.08
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	1	1.08
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	9	1.08
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	9	1.08
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	9	1.08
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	9	1.08
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	9	1.08
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	9	1.08
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	2	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	2	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	2	1.08
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	4	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	4	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	4	1.08
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	10	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	10	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	10	1.08
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	13	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	13	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	13	1.08
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	18	1.08
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	18	1.08
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	18	1.08
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	3	1.08
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	3	1.08
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	3	1.08
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	19	1.08
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	19	1.08
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	19	1.08
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	20	1.08
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	20	1.08
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	7	1.08
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	7	1.08
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	7	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	7	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	7	1.08
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	7	1.08
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	16	1.08
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	16	1.08
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	16	1.08
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	17	1.08
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	17	1.08
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	17	1.08
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	17	1.08
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	17	1.08
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	17	1.08
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	17	1.08
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	17	1.08
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	17	1.08
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	15	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	15	1.08
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	15	1.08
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	16	1.08
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	16	1.08
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	16	1.08
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	3	1.08
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	3	1.08
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	3	1.08
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	5	1.08
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	5	1.08
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	5	1.08
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	17	1.08
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	17	1.08
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	17	1.08
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	17	1.08
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	17	1.08
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	17	1.08
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	17	1.08
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	17	1.08
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	17	1.08
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	6	1.08
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	6	1.08
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	6	1.08
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	6	1.08
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	6	1.08
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	6	1.08
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	6	1.08
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	6	1.08
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	6	1.08
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	1	1.08
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	1	1.08
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	1	1.08
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	1	1.08
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	1	1.08
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	1	1.08
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	1	1.08
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	1	1.08
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	1	1.08
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	6	1.08
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	6	1.08
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	6	1.08
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	6	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	6	1.08
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	6	1.08
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	18	1.08
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	18	1.08
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	18	1.08
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	18	1.08
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	18	1.08
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	18	1.08
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	18	1.08
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	18	1.08
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	18	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	1	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	1	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	1	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	18	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	18	1.08
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	18	1.08
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	11	1.08
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	11	1.08
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	11	1.08
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	2	1.08
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	2	1.08
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	2	1.08
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	10	1.08
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	10	1.08
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	11	1.08
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	11	1.08
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	15	1.08
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	19	1.08
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	19	1.08
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	19	1.08
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	7	1.08
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	9	1.08
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	12	1.08
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	19	1.08
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	13	1.08
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	13	1.08
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	13	1.08
(1,1688)	1:48:A:LEU:H	1:48:A:LEU:HG	5	1.08
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	10	1.08
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	10	1.08
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	1	1.08
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	4	1.08
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	4	1.08
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	19	1.08
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	19	1.08
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	14	1.08
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	14	1.08
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	14	1.08
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	14	1.08
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	3	1.08
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	3	1.08
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	3	1.08
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	3	1.08
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	9	1.08
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	13	1.08
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	1	1.08
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	1	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	7	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	7	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	7	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	7	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	10	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	10	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	10	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	10	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	10	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	17	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	17	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	17	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	17	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	20	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	20	1.08
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	20	1.08
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	20	1.08
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	9	1.08
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	9	1.08
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	10	1.08
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	10	1.08
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	10	1.08
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	13	1.08
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	9	1.08
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	9	1.08
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	10	1.08
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	15	1.08
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	15	1.08
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	15	1.08
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	15	1.08
(1,1535)	1:195:A:ALA:HB3	1:196:A:LEU:H	4	1.08
(1,1535)	1:195:A:ALA:HB3	1:196:A:LEU:H	16	1.08
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	1	1.08
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	9	1.08
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	9	1.08
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	5	1.08
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	5	1.08
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	7	1.08
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	7	1.08
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	3	1.08
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	3	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	6	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	6	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	6	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	6	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	12	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	12	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	12	1.08
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	12	1.08
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	1	1.08
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	5	1.08
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	12	1.08
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	16	1.08
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	11	1.08
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	11	1.08
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	11	1.08
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	20	1.08
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	20	1.08
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	1	1.08
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	10	1.08
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	3	1.08
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	4	1.08
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	5	1.08
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	12	1.08
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	16	1.08
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	7	1.08
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	3	1.08
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	15	1.08
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	15	1.08
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	15	1.08
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	15	1.08
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	15	1.08
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	16	1.08
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	16	1.08
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	16	1.08
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	16	1.08
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	16	1.08
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	16	1.08
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	16	1.08
(1,1358)	1:123:A:HIS:HA	1:124:A:PHE:H	11	1.08
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	7	1.08
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	7	1.08
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	17	1.08
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	8	1.08
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	8	1.08
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	8	1.08
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	8	1.08
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	8	1.08
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	8	1.08
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	8	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	5	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	5	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	5	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	5	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	12	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	12	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	12	1.08
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	12	1.08
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	7	1.08
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG21	5	1.08
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG22	5	1.08
(1,1262)	1:234:A:ILE:H	1:234:A:ILE:HG23	5	1.08
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	17	1.08
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	17	1.08
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	17	1.08
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	17	1.08
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	4	1.08
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	4	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	4	1.08
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	4	1.08
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	10	1.08
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	10	1.08
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	8	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	2	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	2	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	2	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	8	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	8	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	8	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	14	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	14	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	14	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	17	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	17	1.08
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	17	1.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	10	1.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	10	1.08
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	10	1.08
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	9	1.08
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	2	1.08
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	11	1.08
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	10	1.08
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	19	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	7	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	7	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	12	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	12	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	20	1.08
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	20	1.08
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	2	1.08
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	2	1.08
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	14	1.08
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	14	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	5	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	5	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	6	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	6	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	16	1.08
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	16	1.08
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	5	1.08
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	16	1.08
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	16	1.08
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	6	1.08
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	6	1.08
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	18	1.08
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	18	1.08
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	5	1.08
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	5	1.08
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	3	1.08
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	3	1.08
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	3	1.08
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	8	1.08
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	3	1.08
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	3	1.08
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	3	1.08
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	3	1.08
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	3	1.08
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	3	1.08
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	3	1.08
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	3	1.08
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	3	1.08
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	4	1.08
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	12	1.08
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	19	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	1	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	7	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	11	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	14	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	15	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	16	1.08
(1,718)	1:94:A:VAL:HB	1:95:A:SER:H	20	1.08
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	5	1.08
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	5	1.08
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	6	1.08
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	6	1.08
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	6	1.08
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	6	1.08
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	6	1.08
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	6	1.08
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	3	1.08
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	3	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	19	1.08
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	19	1.08
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	19	1.08
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	19	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	10	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	10	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	10	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	15	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	15	1.08
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	15	1.08
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	4	1.08
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	4	1.08
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	4	1.08
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	4	1.08
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	8	1.08
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	8	1.08
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	8	1.08
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	8	1.08
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	9	1.08
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	9	1.08
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	9	1.08
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	9	1.08
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	9	1.08
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	9	1.08
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	8	1.08
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	3	1.08
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	3	1.08
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	3	1.08
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	3	1.08
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	3	1.08
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	3	1.08
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	18	1.08
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	18	1.08
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	18	1.08
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	13	1.08
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	13	1.08
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	13	1.08
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	9	1.08
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	9	1.08
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	9	1.08
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	13	1.08
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	13	1.08
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	15	1.08
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	15	1.08
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	15	1.08
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	10	1.08
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	7	1.08
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	7	1.08
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	7	1.08
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	7	1.08
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	7	1.08
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	7	1.08
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	8	1.08
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	8	1.08
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	19	1.08
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	19	1.08
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	11	1.08
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	11	1.08
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	7	1.08
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	7	1.08
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	14	1.08
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	14	1.08
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	14	1.08
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	14	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	9	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	9	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	9	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	15	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	15	1.08
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	15	1.08
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	9	1.08
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	9	1.08
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	9	1.08
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB2	13	1.08
(1,388)	1:138:A:PHE:HD1	1:172:A:PHE:HB3	13	1.08
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB2	13	1.08
(1,388)	1:138:A:PHE:HD2	1:172:A:PHE:HB3	13	1.08
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	7	1.08
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	7	1.08
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	10	1.08
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	10	1.08
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	4	1.08
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	17	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	17	1.08
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	1	1.08
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	4	1.08
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	4	1.08
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	4	1.08
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	4	1.08
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	4	1.08
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	4	1.08
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	11	1.08
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	11	1.08
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	11	1.08
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	11	1.08
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	11	1.08
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	11	1.08
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	13	1.08
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	13	1.08
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	13	1.08
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	19	1.08
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	6	1.08
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	6	1.08
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	6	1.08
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	6	1.08
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	6	1.08
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	6	1.08
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	12	1.08
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	15	1.08
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	15	1.08
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	15	1.08
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	15	1.08
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	3	1.08
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	3	1.08
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	3	1.08
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	9	1.08
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	9	1.08
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	9	1.08
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	12	1.08
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	18	1.08
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	20	1.08
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	20	1.08
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	20	1.08
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	20	1.08
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	20	1.08
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB1	16	1.08
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB2	16	1.08
(1,194)	1:34:A:SER:HA	1:37:A:ALA:HB3	16	1.08
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	15	1.08
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	15	1.08
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	15	1.08
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	15	1.08
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	15	1.08
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	15	1.08
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	9	1.08
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	20	1.08
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	12	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	12	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	12	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	13	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	13	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	17	1.08
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	17	1.08
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	5	1.08
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	5	1.08
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	11	1.08
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	11	1.08
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	11	1.08
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	11	1.08
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	11	1.08
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	11	1.08
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	1	1.07
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	1	1.07
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	1	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	5	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	5	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	5	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	5	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	5	1.07
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	5	1.07
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	1	1.07
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	1	1.07
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	1	1.07
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	16	1.07
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	16	1.07
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	16	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	10	1.07
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	10	1.07
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	11	1.07
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	11	1.07
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	11	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	1	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	3	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	5	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	7	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	8	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	8	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	8	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	8	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	8	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	9	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	10	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	11	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	12	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	14	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	15	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	17	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	17	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	17	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	17	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	17	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	17	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	18	1.07
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	20	1.07
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	20	1.07
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	20	1.07
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	20	1.07
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	20	1.07
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	20	1.07
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	12	1.07
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	12	1.07
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	12	1.07
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	12	1.07
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	12	1.07
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	12	1.07
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	1	1.07
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	1	1.07
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD11	8	1.07
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD12	8	1.07
(1,2103)	1:113:A:LEU:HA	1:113:A:LEU:HD13	8	1.07
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	4	1.07
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	4	1.07
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	4	1.07
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	4	1.07
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	4	1.07
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	4	1.07
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	17	1.07
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	17	1.07
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	17	1.07
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	17	1.07
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	17	1.07
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	17	1.07
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	4	1.07
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	4	1.07
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	4	1.07
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	4	1.07
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	4	1.07
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	4	1.07
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	4	1.07
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	4	1.07
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	4	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	3	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	3	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	3	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	5	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	5	1.07
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	5	1.07
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	1	1.07
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	1	1.07
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	1	1.07
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	11	1.07
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	11	1.07
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	11	1.07
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	18	1.07
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	18	1.07
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	18	1.07
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	18	1.07
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	18	1.07
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	2	1.07
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	2	1.07
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	2	1.07
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	14	1.07
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	14	1.07
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	14	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	1	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	1	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	1	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	2	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	2	1.07
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	2	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	2	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	2	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	2	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	7	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	7	1.07
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	7	1.07
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	13	1.07
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	13	1.07
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	13	1.07
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	5	1.07
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	5	1.07
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	5	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	9	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	9	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	9	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	9	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	9	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	9	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	14	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	14	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	14	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	14	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	14	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	14	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	20	1.07
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	20	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	20	1.07
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	20	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	20	1.07
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	20	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	5	1.07
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	5	1.07
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	5	1.07
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	17	1.07
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	17	1.07
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	17	1.07
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	10	1.07
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	10	1.07
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	10	1.07
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	10	1.07
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	10	1.07
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	10	1.07
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	7	1.07
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	7	1.07
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	7	1.07
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	7	1.07
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	7	1.07
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	7	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	1	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	1	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	1	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	1	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	1	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	1	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	1	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	1	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	1	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	2	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	2	1.07
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	2	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	2	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	2	1.07
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	2	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	2	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	2	1.07
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	2	1.07
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	3	1.07
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	3	1.07
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	3	1.07
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	3	1.07
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	3	1.07
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	3	1.07
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	3	1.07
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	3	1.07
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	2	1.07
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	2	1.07
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	2	1.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	20	1.07
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	20	1.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	20	1.07
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	20	1.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	20	1.07
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	20	1.07
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	14	1.07
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	14	1.07
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	14	1.07
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	12	1.07
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	12	1.07
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	17	1.07
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	17	1.07
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	20	1.07
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	20	1.07
(1,1764)	1:16:A:GLN:H	1:17:A:ASP:H	19	1.07
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	18	1.07
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	18	1.07
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	8	1.07
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	10	1.07
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	16	1.07
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	6	1.07
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	6	1.07
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	18	1.07
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	18	1.07
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	8	1.07
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	8	1.07
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	8	1.07
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	8	1.07
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	4	1.07
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	4	1.07
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	6	1.07
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	6	1.07
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	6	1.07
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	6	1.07
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	4	1.07
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	4	1.07
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	4	1.07
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	4	1.07
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	16	1.07
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	16	1.07
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	16	1.07
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	16	1.07
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	2	1.07
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	2	1.07
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	2	1.07
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	13	1.07
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	13	1.07
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	13	1.07
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	3	1.07
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	6	1.07
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	15	1.07
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	16	1.07
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	17	1.07
(1,1571)	1:210:A:ALA:H	1:213:A:TYR:HB2	6	1.07
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	10	1.07
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	10	1.07
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	7	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	2	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	2	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	2	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	2	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	3	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	3	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	3	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	3	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	11	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	11	1.07
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	11	1.07
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	11	1.07
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	15	1.07
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	15	1.07
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	15	1.07
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	16	1.07
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	3	1.07
(1,1475)	1:171:A:HIS:HA	1:172:A:PHE:H	8	1.07
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	15	1.07
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	15	1.07
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	7	1.07
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	15	1.07
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	3	1.07
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	9	1.07
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	16	1.07
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	18	1.07
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	14	1.07
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	14	1.07
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	14	1.07
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	1	1.07
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	1	1.07
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	1	1.07
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	17	1.07
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	17	1.07
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	17	1.07
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	17	1.07
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	4	1.07
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	4	1.07
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	4	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	1	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	1	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	1	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	1	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	2	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	2	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	2	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	2	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	7	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	7	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	7	1.07
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	7	1.07
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	2	1.07
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	3	1.07
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	10	1.07
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	7	1.07
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	7	1.07
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	7	1.07
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	7	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	2	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	3	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	3	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	5	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	5	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	6	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	6	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	7	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	7	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	9	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	9	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	12	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	12	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	13	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	13	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	14	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	14	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	18	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	18	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	20	1.07
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	20	1.07
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	19	1.07
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	19	1.07
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	10	1.07
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	10	1.07
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	10	1.07
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	20	1.07
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	20	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	1	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	1	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	1	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	1	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	11	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	11	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	11	1.07
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	11	1.07
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	2	1.07
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	2	1.07
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	15	1.07
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	15	1.07
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	6	1.07
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	6	1.07
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	4	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	9	1.07
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	10	1.07
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	19	1.07
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	13	1.07
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	9	1.07
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	14	1.07
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	13	1.07
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	13	1.07
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	19	1.07
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	19	1.07
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	3	1.07
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	11	1.07
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	15	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	3	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	3	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	4	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	4	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	5	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	5	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	9	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	9	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	10	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	10	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	18	1.07
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	18	1.07
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	6	1.07
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	6	1.07
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	8	1.07
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	8	1.07
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	13	1.07
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	13	1.07
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	20	1.07
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	20	1.07
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	17	1.07
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	17	1.07
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	20	1.07
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	20	1.07
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	20	1.07
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	15	1.07
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	15	1.07
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	15	1.07
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	15	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	15	1.07
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	15	1.07
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	3	1.07
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	6	1.07
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	11	1.07
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	11	1.07
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	10	1.07
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	10	1.07
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	10	1.07
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	10	1.07
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	13	1.07
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	13	1.07
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	13	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	13	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	13	1.07
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	13	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	13	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	13	1.07
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	13	1.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD11	1	1.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD12	1	1.07
(1,666)	1:59:A:ILE:HA	1:59:A:ILE:HD13	1	1.07
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	19	1.07
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	13	1.07
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	13	1.07
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	13	1.07
(1,644)	1:41:A:GLU:H	1:41:A:GLU:HG3	2	1.07
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	4	1.07
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	15	1.07
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	15	1.07
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	15	1.07
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	10	1.07
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	10	1.07
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	10	1.07
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	20	1.07
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	20	1.07
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	20	1.07
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	20	1.07
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	4	1.07
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	4	1.07
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	4	1.07
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	18	1.07
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	18	1.07
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	11	1.07
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	11	1.07
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	11	1.07
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	6	1.07
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	6	1.07
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	6	1.07
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	6	1.07
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	10	1.07
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	10	1.07
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	10	1.07
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	17	1.07
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	17	1.07
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	17	1.07
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	17	1.07
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	17	1.07
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	17	1.07
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	1	1.07
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	1	1.07
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	1	1.07
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	1	1.07
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	1	1.07
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	1	1.07
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	9	1.07
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	11	1.07
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	11	1.07
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	20	1.07
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	20	1.07
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	4	1.07
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	4	1.07
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	9	1.07
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	9	1.07
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	14	1.07
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	14	1.07
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	14	1.07
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	9	1.07
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	9	1.07
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	9	1.07
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	1	1.07
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	1	1.07
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	1	1.07
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	1	1.07
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	1	1.07
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	1	1.07
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	1	1.07
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	1	1.07
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	10	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	11	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	11	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	11	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	11	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	11	1.07
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	11	1.07
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	5	1.07
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	5	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	10	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	10	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	10	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	17	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	17	1.07
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	17	1.07
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB2	10	1.07
(1,406)	1:97:A:THR:HG21	1:178:A:TRP:HB3	10	1.07
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB2	10	1.07
(1,406)	1:97:A:THR:HG22	1:178:A:TRP:HB3	10	1.07
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB2	10	1.07
(1,406)	1:97:A:THR:HG23	1:178:A:TRP:HB3	10	1.07
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	16	1.07
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	16	1.07
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	7	1.07
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	7	1.07
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	7	1.07
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	7	1.07
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	7	1.07
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	7	1.07
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	1	1.07
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	1	1.07
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	1	1.07
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	9	1.07
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	19	1.07
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	19	1.07
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	9	1.07
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	16	1.07
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	16	1.07
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	16	1.07
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	11	1.07
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	11	1.07
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	11	1.07
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	12	1.07
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	12	1.07
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	12	1.07
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	20	1.07
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	20	1.07
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	1	1.07
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	4	1.07
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	16	1.07
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	2	1.07
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	2	1.07
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	2	1.07
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	2	1.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	8	1.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	8	1.07
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	8	1.07
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	2	1.07
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	4	1.07
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	4	1.07
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	4	1.07
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	4	1.07
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	4	1.07
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	4	1.07
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	4	1.07
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	4	1.07
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	4	1.07
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	1	1.07
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	1	1.07
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	1	1.07
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	12	1.07
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	10	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	20	1.07
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	13	1.07
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	13	1.07
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	13	1.07
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	13	1.07
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	8	1.07
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	8	1.07
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	19	1.07
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	19	1.07
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	19	1.07
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	10	1.07
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	10	1.07
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	10	1.07
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	10	1.07
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	10	1.07
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	10	1.07
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	16	1.06
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	4	1.06
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	4	1.06
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	4	1.06
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD21	8	1.06
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD22	8	1.06
(1,2251)	1:46:A:PHE:H	1:48:A:LEU:HD23	8	1.06
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	6	1.06
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	6	1.06
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	6	1.06
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	6	1.06
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	6	1.06
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	6	1.06
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	2	1.06
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	2	1.06
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	2	1.06
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	3	1.06
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	3	1.06
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	3	1.06
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	14	1.06
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	14	1.06
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	14	1.06
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	19	1.06
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	19	1.06
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	19	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	2	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	2	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	2	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	2	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	2	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	2	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	4	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	6	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	13	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	16	1.06
(1,2171)	1:94:A:VAL:HG11	1:95:A:SER:H	19	1.06
(1,2171)	1:94:A:VAL:HG12	1:95:A:SER:H	19	1.06
(1,2171)	1:94:A:VAL:HG13	1:95:A:SER:H	19	1.06
(1,2171)	1:94:A:VAL:HG21	1:95:A:SER:H	19	1.06
(1,2171)	1:94:A:VAL:HG22	1:95:A:SER:H	19	1.06
(1,2171)	1:94:A:VAL:HG23	1:95:A:SER:H	19	1.06
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	19	1.06
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	19	1.06
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	19	1.06
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	15	1.06
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	15	1.06
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	15	1.06
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	17	1.06
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	17	1.06
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	10	1.06
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	10	1.06
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	10	1.06
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	10	1.06
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	10	1.06
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	10	1.06
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	10	1.06
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	10	1.06
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	10	1.06
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	10	1.06
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	10	1.06
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	10	1.06
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	5	1.06
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	5	1.06
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	5	1.06
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	5	1.06
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	5	1.06
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	5	1.06
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	18	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	18	1.06
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	18	1.06
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	18	1.06
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	18	1.06
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	18	1.06
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	18	1.06
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	18	1.06
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	18	1.06
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	4	1.06
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	4	1.06
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	4	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	3	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	3	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	3	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	16	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	16	1.06
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	16	1.06
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG21	14	1.06
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG22	14	1.06
(1,2012)	1:72:A:VAL:H	1:72:A:VAL:HG23	14	1.06
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	8	1.06
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	8	1.06
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	8	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	11	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	11	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	11	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	14	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	14	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	14	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	19	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	19	1.06
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	19	1.06
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	11	1.06
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	11	1.06
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	11	1.06
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	11	1.06
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	11	1.06
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	11	1.06
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	5	1.06
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	5	1.06
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	5	1.06
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	18	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	18	1.06
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	18	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	6	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	6	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	6	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	6	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	6	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	6	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	6	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	6	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	6	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	9	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	9	1.06
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	9	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	9	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	9	1.06
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	9	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	9	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	9	1.06
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	9	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	1	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	1	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	1	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	12	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	12	1.06
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	12	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	3	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	3	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	3	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	3	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	3	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	3	1.06
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	3	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	8	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	8	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	8	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	8	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	8	1.06
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	8	1.06
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	8	1.06
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	8	1.06
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	12	1.06
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	12	1.06
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	12	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	12	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	12	1.06
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	12	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	12	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	12	1.06
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	12	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	12	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	12	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	12	1.06
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	12	1.06
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	12	1.06
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	12	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	12	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	12	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	12	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	18	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	18	1.06
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	18	1.06
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	18	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	18	1.06
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	18	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	18	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	18	1.06
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	18	1.06
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	12	1.06
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	12	1.06
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	12	1.06
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	12	1.06
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	12	1.06
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	12	1.06
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	13	1.06
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	13	1.06
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	13	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	6	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	6	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	6	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	9	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	9	1.06
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	9	1.06
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	11	1.06
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	11	1.06
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	11	1.06
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	9	1.06
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	9	1.06
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	11	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	11	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	11	1.06
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	11	1.06
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	15	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	15	1.06
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	15	1.06
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	15	1.06
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	6	1.06
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	6	1.06
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	15	1.06
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	15	1.06
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	1	1.06
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	17	1.06
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	13	1.06
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	14	1.06
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	20	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	2	1.06
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	2	1.06
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	2	1.06
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	20	1.06
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	20	1.06
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	2	1.06
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	2	1.06
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	15	1.06
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	15	1.06
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	15	1.06
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	15	1.06
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	3	1.06
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	11	1.06
(1,1613)	1:237:A:LEU:HB3	1:238:A:TYR:H	13	1.06
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	19	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	1	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	1	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	1	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	3	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	3	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	3	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	5	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	5	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	5	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	15	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	15	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	15	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	17	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	17	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	17	1.06
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	18	1.06
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	18	1.06
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	18	1.06
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	3	1.06
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	12	1.06
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	13	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	1	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	2	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	4	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	5	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	7	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	8	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	10	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	11	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	12	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	14	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	18	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	19	1.06
(1,1583)	1:229:A:ASP:H	1:230:A:ASP:H	20	1.06
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	4	1.06
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	4	1.06
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	8	1.06
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	8	1.06
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	8	1.06
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	8	1.06
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	18	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	8	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	8	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	8	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	8	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	18	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	18	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	18	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	18	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.06
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	20	1.06
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	20	1.06
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB2	6	1.06
(1,1520)	1:187:A:ASN:H	1:187:A:ASN:HB3	6	1.06
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	5	1.06
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	2	1.06
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	2	1.06
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	19	1.06
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	19	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	1	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	1	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	1	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	1	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	7	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	7	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	7	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	7	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	17	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	17	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	17	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	18	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	18	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	18	1.06
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	18	1.06
(1,1477)	1:172:A:PHE:H	1:172:A:PHE:HB2	1	1.06
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	20	1.06
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	20	1.06
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	20	1.06
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	16	1.06
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	20	1.06
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	20	1.06
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	20	1.06
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	20	1.06
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	15	1.06
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	16	1.06
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	16	1.06
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	16	1.06
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	5	1.06
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	4	1.06
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	4	1.06
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	4	1.06
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	8	1.06
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	8	1.06
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	12	1.06
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	12	1.06
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	12	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	12	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	12	1.06
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	12	1.06
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	18	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	18	1.06
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	18	1.06
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	18	1.06
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	5	1.06
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	14	1.06
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	14	1.06
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	14	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	3	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	3	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	3	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	6	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	6	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	6	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	6	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	10	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	10	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	10	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	10	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	12	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	12	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	12	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	12	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	16	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	16	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	16	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	16	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	17	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	17	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	17	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	17	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	19	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	19	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	19	1.06
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	19	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	1	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	1	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	1	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	1	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	16	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	16	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	16	1.06
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	16	1.06
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	11	1.06
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	13	1.06
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	15	1.06
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	18	1.06
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	8	1.06
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	9	1.06
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	9	1.06
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	14	1.06
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	1	1.06
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	1	1.06
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	14	1.06
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	14	1.06
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	14	1.06
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD1	14	1.06
(1,1223)	1:89:A:VAL:H	1:124:A:PHE:HD2	14	1.06
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	6	1.06
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	6	1.06
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	6	1.06
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	6	1.06
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	14	1.06
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	7	1.06
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	3	1.06
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	19	1.06
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	19	1.06
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	19	1.06
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	7	1.06
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	20	1.06
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	20	1.06
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	8	1.06
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	8	1.06
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	13	1.06
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	13	1.06
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD1	5	1.06
(1,872)	1:237:A:LEU:HB2	1:238:A:TYR:HD2	5	1.06
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD1	5	1.06
(1,872)	1:237:A:LEU:HB3	1:238:A:TYR:HD2	5	1.06
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	18	1.06
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	18	1.06
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	18	1.06
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	18	1.06
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	12	1.06
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	12	1.06
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	5	1.06
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	5	1.06
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	5	1.06
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	3	1.06
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	3	1.06
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	3	1.06
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	3	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	3	1.06
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	3	1.06
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	7	1.06
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	7	1.06
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	7	1.06
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	7	1.06
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	7	1.06
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	7	1.06
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	2	1.06
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	2	1.06
(1,720)	1:94:A:VAL:H	1:94:A:VAL:HB	13	1.06
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	5	1.06
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	5	1.06
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	10	1.06
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	16	1.06
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	16	1.06
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	16	1.06
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	16	1.06
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	16	1.06
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	16	1.06
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	6	1.06
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	6	1.06
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	6	1.06
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	6	1.06
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	14	1.06
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	14	1.06
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	14	1.06
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	14	1.06
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	1	1.06
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	1	1.06
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	1	1.06
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	1	1.06
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	1	1.06
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	1	1.06
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	6	1.06
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	6	1.06
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	6	1.06
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	7	1.06
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	7	1.06
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	7	1.06
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	4	1.06
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	4	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	4	1.06
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	7	1.06
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	1	1.06
(1,524)	1:192:A:ALA:HA	1:195:A:ALA:HB3	5	1.06
(1,524)	1:192:A:ALA:HA	1:195:A:ALA:HB3	16	1.06
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	3	1.06
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	3	1.06
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	13	1.06
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	13	1.06
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	13	1.06
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	13	1.06
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	13	1.06
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	13	1.06
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	17	1.06
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	17	1.06
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	17	1.06
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	7	1.06
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	7	1.06
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	7	1.06
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	7	1.06
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	7	1.06
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	7	1.06
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	13	1.06
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	13	1.06
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	1.06
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	20	1.06
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	2	1.06
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	2	1.06
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	4	1.06
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	4	1.06
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	20	1.06
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	20	1.06
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	9	1.06
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	9	1.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	17	1.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	17	1.06
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	17	1.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	17	1.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	17	1.06
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	17	1.06
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	19	1.06
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	19	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	19	1.06
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	19	1.06
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	19	1.06
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	19	1.06
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	19	1.06
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	19	1.06
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	19	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	1	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	1	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	1	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	1	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	1	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	1	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	1	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	1	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	1	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	8	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	8	1.06
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	8	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	8	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	8	1.06
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	8	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	8	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	8	1.06
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	8	1.06
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	2	1.06
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	2	1.06
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	2	1.06
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	2	1.06
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	2	1.06
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	2	1.06
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	13	1.06
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	13	1.06
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	13	1.06
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	13	1.06
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	13	1.06
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	13	1.06
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	12	1.06
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	12	1.06
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	19	1.06
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	7	1.06
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	7	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	7	1.06
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	20	1.06
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	20	1.06
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	20	1.06
(1,218)	1:126:A:LYS:H	1:126:A:LYS:HB3	13	1.06
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	19	1.06
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	19	1.06
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	20	1.06
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	13	1.06
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	17	1.06
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	14	1.06
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	8	1.06
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	8	1.06
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	8	1.06
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	8	1.06
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	11	1.06
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	11	1.06
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	1	1.06
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	7	1.06
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	7	1.06
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	13	1.06
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	13	1.06
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	13	1.06
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	13	1.06
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	13	1.06
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	13	1.06
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	3	1.05
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	3	1.05
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	3	1.05
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	3	1.05
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	3	1.05
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	3	1.05
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD21	8	1.05
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD22	8	1.05
(1,2212)	1:108:A:LEU:H	1:108:A:LEU:HD23	8	1.05
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	17	1.05
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	17	1.05
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	17	1.05
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	9	1.05
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	9	1.05
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	9	1.05
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	18	1.05
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	18	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	5	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	5	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	5	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	5	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	5	1.05
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	5	1.05
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	2	1.05
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	2	1.05
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	2	1.05
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	2	1.05
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	2	1.05
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	2	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	9	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	9	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	9	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	9	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	9	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	9	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	9	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	9	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	9	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	20	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	20	1.05
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	20	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	20	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	20	1.05
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	20	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	20	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	20	1.05
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	20	1.05
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	10	1.05
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	10	1.05
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	10	1.05
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	8	1.05
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	8	1.05
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	8	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	1	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	1	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	1	1.05
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	1	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	1	1.05
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	1	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	1	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	1	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	1	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD11	7	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD12	7	1.05
(1,1998)	1:226:A:LEU:HD11	1:231:A:ILE:HD13	7	1.05
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD11	7	1.05
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD12	7	1.05
(1,1998)	1:226:A:LEU:HD12	1:231:A:ILE:HD13	7	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD11	7	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD12	7	1.05
(1,1998)	1:226:A:LEU:HD13	1:231:A:ILE:HD13	7	1.05
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	11	1.05
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	11	1.05
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	11	1.05
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	11	1.05
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	11	1.05
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	11	1.05
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	11	1.05
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	11	1.05
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	11	1.05
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	16	1.05
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	16	1.05
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	16	1.05
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	16	1.05
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	16	1.05
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	16	1.05
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD21	8	1.05
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD22	8	1.05
(1,1969)	1:108:A:LEU:H	1:108:A:LEU:HD23	8	1.05
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	15	1.05
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	15	1.05
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	15	1.05
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	18	1.05
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	18	1.05
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	18	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	3	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	3	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	3	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	3	1.05
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	3	1.05
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	4	1.05
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	4	1.05
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	4	1.05
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	15	1.05
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	15	1.05
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	15	1.05
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	15	1.05
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	15	1.05
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	15	1.05
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	15	1.05
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	15	1.05
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	15	1.05
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	6	1.05
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	6	1.05
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	6	1.05
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	3	1.05
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	3	1.05
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	3	1.05
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	15	1.05
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	15	1.05
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	15	1.05
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	20	1.05
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	20	1.05
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	20	1.05
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	18	1.05
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	18	1.05
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	18	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	3	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	3	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	3	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	4	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	4	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	4	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	8	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	8	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	8	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	11	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	11	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	11	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	15	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	15	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	17	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	17	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	17	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	19	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	19	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	19	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	20	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	20	1.05
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	20	1.05
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	3	1.05
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	3	1.05
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	3	1.05
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	9	1.05
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	9	1.05
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	9	1.05
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	16	1.05
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	16	1.05
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	16	1.05
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	1	1.05
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	1	1.05
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	6	1.05
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	6	1.05
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	15	1.05
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	15	1.05
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	1	1.05
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	3	1.05
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	9	1.05
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	10	1.05
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	5	1.05
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	5	1.05
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	9	1.05
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	9	1.05
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	2	1.05
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	2	1.05
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	2	1.05
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	7	1.05
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	7	1.05
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	7	1.05
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	12	1.05
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	8	1.05
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	12	1.05
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	12	1.05
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	14	1.05
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	14	1.05
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	15	1.05
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	15	1.05
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	3	1.05
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	3	1.05
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	12	1.05
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	12	1.05
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	9	1.05
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	9	1.05
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	9	1.05
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	9	1.05
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	4	1.05
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	18	1.05
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	5	1.05
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	7	1.05
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	18	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	3	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	3	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	4	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	4	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	5	1.05
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	5	1.05
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	9	1.05
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	4	1.05
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	4	1.05
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	4	1.05
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	9	1.05
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	9	1.05
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	16	1.05
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	16	1.05
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	18	1.05
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	18	1.05
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	18	1.05
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	18	1.05
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	2	1.05
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	2	1.05
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	6	1.05
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	6	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:29:A:THR:HG21	1:38:A:LYS:H	13	1.05
(1,1561)	1:29:A:THR:HG22	1:38:A:LYS:H	13	1.05
(1,1561)	1:29:A:THR:HG23	1:38:A:LYS:H	13	1.05
(1,1561)	1:29:A:THR:HG21	1:38:A:LYS:H	16	1.05
(1,1561)	1:29:A:THR:HG22	1:38:A:LYS:H	16	1.05
(1,1561)	1:29:A:THR:HG23	1:38:A:LYS:H	16	1.05
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	17	1.05
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	16	1.05
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	16	1.05
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	16	1.05
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	16	1.05
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	14	1.05
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	14	1.05
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	14	1.05
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	14	1.05
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	13	1.05
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	13	1.05
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	14	1.05
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	5	1.05
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	7	1.05
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	12	1.05
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	14	1.05
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	3	1.05
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	3	1.05
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	10	1.05
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	10	1.05
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	14	1.05
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	14	1.05
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	16	1.05
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	13	1.05
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	13	1.05
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	13	1.05
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	13	1.05
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	19	1.05
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	19	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	4	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	4	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	4	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	4	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	5	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	5	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	5	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	9	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	9	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	9	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	9	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	18	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	18	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	18	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	18	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	20	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.05
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	20	1.05
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	8	1.05
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	8	1.05
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	18	1.05
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	18	1.05
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	18	1.05
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	18	1.05
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	11	1.05
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	12	1.05
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	16	1.05
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	1	1.05
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	1	1.05
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	3	1.05
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	14	1.05
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	17	1.05
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	15	1.05
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	7	1.05
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	7	1.05
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	7	1.05
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	7	1.05
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	11	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	1	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	2	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	14	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	15	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	16	1.05
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	17	1.05
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	14	1.05
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	14	1.05
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	14	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	17	1.05
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	17	1.05
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	17	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	7	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	7	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	7	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	12	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	12	1.05
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	12	1.05
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	8	1.05
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	8	1.05
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	14	1.05
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	14	1.05
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	14	1.05
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	2	1.05
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	2	1.05
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	8	1.05
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	13	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	1	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	2	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	3	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	6	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	8	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	9	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	13	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	15	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	16	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	18	1.05
(1,923)	1:41:A:GLU:H	1:42:A:MET:H	20	1.05
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	9	1.05
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	10	1.05
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	10	1.05
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	11	1.05
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	11	1.05
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	17	1.05
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	3	1.05
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	3	1.05
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	18	1.05
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	18	1.05
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	15	1.05
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	15	1.05
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	9	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	9	1.05
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	19	1.05
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	19	1.05
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	11	1.05
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	11	1.05
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	11	1.05
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	11	1.05
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	11	1.05
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	11	1.05
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	15	1.05
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	15	1.05
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	15	1.05
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	15	1.05
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	15	1.05
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	15	1.05
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	15	1.05
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	15	1.05
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	15	1.05
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	15	1.05
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	15	1.05
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	15	1.05
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	15	1.05
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	15	1.05
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	15	1.05
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	15	1.05
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	15	1.05
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	15	1.05
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	6	1.05
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	6	1.05
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	3	1.05
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	3	1.05
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	10	1.05
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	10	1.05
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	10	1.05
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	10	1.05
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	10	1.05
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	3	1.05
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	3	1.05
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	3	1.05
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	3	1.05
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	11	1.05
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	13	1.05
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	13	1.05
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	13	1.05
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	13	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	16	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	16	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	16	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	17	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	17	1.05
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	17	1.05
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	6	1.05
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	6	1.05
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	6	1.05
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	14	1.05
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	14	1.05
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	14	1.05
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	11	1.05
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	11	1.05
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	11	1.05
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	15	1.05
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	15	1.05
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	15	1.05
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	15	1.05
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	15	1.05
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	15	1.05
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	14	1.05
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	14	1.05
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	9	1.05
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	9	1.05
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	4	1.05
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	4	1.05
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	5	1.05
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	5	1.05
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	16	1.05
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	16	1.05
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	16	1.05
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	16	1.05
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	4	1.05
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	4	1.05
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	4	1.05
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	5	1.05
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	5	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	5	1.05
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	15	1.05
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	9	1.05
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	9	1.05
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	19	1.05
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	19	1.05
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	6	1.05
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	6	1.05
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	7	1.05
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	7	1.05
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	10	1.05
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	10	1.05
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	11	1.05
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	11	1.05
(1,418)	1:171:A:HIS:HB2	1:172:A:PHE:H	19	1.05
(1,418)	1:171:A:HIS:HB3	1:172:A:PHE:H	19	1.05
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	4	1.05
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	4	1.05
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	4	1.05
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	4	1.05
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	4	1.05
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	4	1.05
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	10	1.05
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	10	1.05
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	10	1.05
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	10	1.05
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	10	1.05
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	10	1.05
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	10	1.05
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	10	1.05
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	10	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	4	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	4	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	4	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	7	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	7	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	7	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	13	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	13	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	13	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	18	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	18	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	18	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	19	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	19	1.05
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	19	1.05
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	18	1.05
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	18	1.05
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	18	1.05
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	18	1.05
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	15	1.05
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	1	1.05
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	1	1.05
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	1	1.05
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	1	1.05
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	1	1.05
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	1	1.05
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	11	1.05
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	11	1.05
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	11	1.05
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	20	1.05
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	20	1.05
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	1	1.05
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	1	1.05
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	7	1.05
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	7	1.05
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	7	1.05
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	7	1.05
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	7	1.05
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	7	1.05
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE1	8	1.05
(1,189)	1:136:A:ILE:HG21	1:172:A:PHE:HE2	8	1.05
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE1	8	1.05
(1,189)	1:136:A:ILE:HG22	1:172:A:PHE:HE2	8	1.05
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE1	8	1.05
(1,189)	1:136:A:ILE:HG23	1:172:A:PHE:HE2	8	1.05
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	16	1.05
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	16	1.05
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	16	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	16	1.05
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	16	1.05
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	16	1.05
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	16	1.05
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	16	1.05
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	16	1.05
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	20	1.05
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	20	1.05
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	20	1.05
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	9	1.05
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	9	1.05
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	9	1.05
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	9	1.05
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	9	1.05
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	9	1.05
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	14	1.05
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	12	1.05
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	12	1.05
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	14	1.05
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	14	1.05
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	14	1.05
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	10	1.05
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	10	1.05
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	10	1.05
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	10	1.05
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	16	1.05
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	16	1.05
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	12	1.05
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	12	1.05
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	12	1.05
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	12	1.05
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	12	1.05
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	12	1.05
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	2	1.04
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	2	1.04
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	2	1.04
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	14	1.04
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	14	1.04
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	14	1.04
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	9	1.04
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	9	1.04
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	9	1.04
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	9	1.04
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	9	1.04
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	15	1.04
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	15	1.04
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	15	1.04
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	3	1.04
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	3	1.04
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	3	1.04
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	8	1.04
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	8	1.04
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	8	1.04
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	9	1.04
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	9	1.04
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	9	1.04
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	15	1.04
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	15	1.04
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	15	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	9	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	9	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	9	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	20	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	20	1.04
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	20	1.04
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	10	1.04
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	10	1.04
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	10	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	15	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	15	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	15	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	15	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	15	1.04
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	15	1.04
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	11	1.04
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	11	1.04
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	11	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	1	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	1	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	1	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	16	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	16	1.04
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	16	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE1	15	1.04
(1,2106)	1:113:A:LEU:HD21	1:124:A:PHE:HE2	15	1.04
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE1	15	1.04
(1,2106)	1:113:A:LEU:HD22	1:124:A:PHE:HE2	15	1.04
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE1	15	1.04
(1,2106)	1:113:A:LEU:HD23	1:124:A:PHE:HE2	15	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	2	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	2	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	2	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	2	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	2	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	2	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	2	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	2	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	2	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	13	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	13	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	13	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	13	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	13	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	13	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	13	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	13	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	13	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	16	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	16	1.04
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	16	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	16	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	16	1.04
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	16	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	16	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	16	1.04
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	16	1.04
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	19	1.04
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	19	1.04
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	19	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	6	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	6	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	6	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	19	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	19	1.04
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	13	1.04
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	13	1.04
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	13	1.04
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE1	20	1.04
(1,2007)	1:113:A:LEU:HD11	1:124:A:PHE:HE2	20	1.04
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE1	20	1.04
(1,2007)	1:113:A:LEU:HD12	1:124:A:PHE:HE2	20	1.04
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE1	20	1.04
(1,2007)	1:113:A:LEU:HD13	1:124:A:PHE:HE2	20	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	10	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	10	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	10	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	11	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	11	1.04
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	11	1.04
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	14	1.04
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	14	1.04
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	14	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	10	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	10	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	10	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	20	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	20	1.04
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	20	1.04
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	3	1.04
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	3	1.04
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	3	1.04
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	6	1.04
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	6	1.04
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	6	1.04
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	5	1.04
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	5	1.04
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	5	1.04
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	17	1.04
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	17	1.04
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	17	1.04
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	17	1.04
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	17	1.04
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	17	1.04
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	17	1.04
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	17	1.04
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	17	1.04
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	4	1.04
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	4	1.04
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	4	1.04
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	4	1.04
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	4	1.04
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	4	1.04
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	7	1.04
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	7	1.04
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	7	1.04
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	17	1.04
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	17	1.04
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	17	1.04
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	19	1.04
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	19	1.04
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	19	1.04
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	5	1.04
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	5	1.04
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	5	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	9	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	9	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	9	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	9	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	9	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	9	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	9	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	9	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	9	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	14	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	14	1.04
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	14	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	14	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	14	1.04
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	14	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	14	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	14	1.04
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	14	1.04
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	7	1.04
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	7	1.04
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	7	1.04
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	7	1.04
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	7	1.04
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	7	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	13	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	13	1.04
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	13	1.04
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	7	1.04
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	7	1.04
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	7	1.04
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	14	1.04
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	14	1.04
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	14	1.04
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	8	1.04
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	8	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	2	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	4	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	5	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	6	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	7	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	8	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	11	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	12	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	13	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	14	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	15	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	16	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	17	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	18	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	19	1.04
(1,1778)	1:239:A:GLY:HA3	1:240:A:LYS:H	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1759)	1:69:A:VAL:H	1:159:A:ALA:H	17	1.04
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	10	1.04
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	13	1.04
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	2	1.04
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	11	1.04
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	19	1.04
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	1	1.04
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	17	1.04
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	11	1.04
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	14	1.04
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	14	1.04
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	16	1.04
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	16	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	1	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	1	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	11	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	11	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	15	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	15	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	16	1.04
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	16	1.04
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	9	1.04
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	8	1.04
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	8	1.04
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	2	1.04
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	2	1.04
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	17	1.04
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	4	1.04
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	4	1.04
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	1	1.04
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	15	1.04
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	15	1.04
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	18	1.04
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	20	1.04
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	19	1.04
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	19	1.04
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	19	1.04
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	2	1.04
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	10	1.04
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	15	1.04
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	7	1.04
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	6	1.04
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	6	1.04
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	12	1.04
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	18	1.04
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	18	1.04
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	1	1.04
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	1	1.04
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	20	1.04
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	20	1.04
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	2	1.04
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	8	1.04
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	13	1.04
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	13	1.04
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	13	1.04
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	13	1.04
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	4	1.04
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	4	1.04
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	18	1.04
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	18	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	2	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	2	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	2	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	2	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	5	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	5	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	5	1.04
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	5	1.04
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	7	1.04
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	7	1.04
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	7	1.04
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	6	1.04
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	10	1.04
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	1	1.04
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	5	1.04
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	11	1.04
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	11	1.04
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	2	1.04
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	2	1.04
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	2	1.04
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	5	1.04
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	5	1.04
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1393)	1:133:A:ASP:HB2	1:134:A:ILE:H	10	1.04
(1,1393)	1:133:A:ASP:HB3	1:134:A:ILE:H	10	1.04
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	1	1.04
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	12	1.04
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	12	1.04
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	12	1.04
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	9	1.04
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	9	1.04
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	1	1.04
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	1	1.04
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	1	1.04
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	1	1.04
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	7	1.04
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	7	1.04
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	7	1.04
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	7	1.04
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	15	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	3	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	3	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	6	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	6	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	8	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	8	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	9	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	9	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	11	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	11	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	17	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	17	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	19	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	19	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	20	1.04
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	20	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	11	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	11	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	11	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	11	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	13	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	13	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	13	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	13	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	14	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	14	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	14	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	14	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	15	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB2	15	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	15	1.04
(1,1314)	1:113:A:LEU:H	1:113:A:LEU:HB3	15	1.04
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	4	1.04
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	4	1.04
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	17	1.04
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	17	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	2	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	2	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	2	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	2	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	17	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	17	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	17	1.04
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	17	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	1	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	5	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	13	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	17	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	18	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	19	1.04
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	20	1.04
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	4	1.04
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	5	1.04
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	6	1.04
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	16	1.04
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	7	1.04
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	7	1.04
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	8	1.04
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	8	1.04
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	15	1.04
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	15	1.04
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	17	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	5	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	5	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	5	1.04
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	5	1.04
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	5	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	12	1.04
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	13	1.04
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	6	1.04
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	14	1.04
(1,1093)	1:160:A:PHE:HB2	1:169:A:ASP:H	15	1.04
(1,1093)	1:160:A:PHE:HB3	1:169:A:ASP:H	15	1.04
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	11	1.04
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	11	1.04
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	11	1.04
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	5	1.04
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	13	1.04
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	13	1.04
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	13	1.04
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	15	1.04
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	4	1.04
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	2	1.04
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	2	1.04
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	6	1.04
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	6	1.04
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	10	1.04
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	14	1.04
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	15	1.04
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	15	1.04
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	16	1.04
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	16	1.04
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	9	1.04
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	5	1.04
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	5	1.04
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	14	1.04
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	14	1.04
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	7	1.04
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	7	1.04
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	9	1.04
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	9	1.04
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	9	1.04
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	14	1.04
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	14	1.04
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	14	1.04
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	14	1.04
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	14	1.04
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	14	1.04
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	19	1.04
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	19	1.04
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	19	1.04
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	19	1.04
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	19	1.04
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	11	1.04
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	11	1.04
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	11	1.04
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	11	1.04
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	11	1.04
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	11	1.04
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	5	1.04
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	1	1.04
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	1	1.04
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	1	1.04
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	1	1.04
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	1	1.04
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	1	1.04
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	2	1.04
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	2	1.04
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	2	1.04
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	16	1.04
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	16	1.04
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	16	1.04
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	10	1.04
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	10	1.04
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	18	1.04
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	18	1.04
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	19	1.04
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	10	1.04
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	10	1.04
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	15	1.04
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	15	1.04
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	13	1.04
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	13	1.04
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	13	1.04
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	13	1.04
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	9	1.04
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	9	1.04
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	9	1.04
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	9	1.04
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	19	1.04
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	19	1.04
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	19	1.04
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	19	1.04
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	19	1.04
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	19	1.04
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	19	1.04
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	17	1.04
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	17	1.04
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	17	1.04
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	11	1.04
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	11	1.04
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	11	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	8	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	8	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	8	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	8	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	9	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	9	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	9	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	9	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	12	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	12	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	12	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	12	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	19	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	19	1.04
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	19	1.04
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	19	1.04
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	3	1.04
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	3	1.04
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	3	1.04
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	14	1.04
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	14	1.04
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	14	1.04
(1,596)	1:83:A:LYS:HB2	1:84:A:TRP:H	2	1.04
(1,596)	1:83:A:LYS:HB3	1:84:A:TRP:H	2	1.04
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	8	1.04
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	8	1.04
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	8	1.04
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	19	1.04
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	19	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	19	1.04
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	13	1.04
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	17	1.04
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	15	1.04
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	15	1.04
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	15	1.04
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	6	1.04
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	6	1.04
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	6	1.04
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	6	1.04
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	6	1.04
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	6	1.04
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	20	1.04
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	20	1.04
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	20	1.04
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	20	1.04
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	20	1.04
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	20	1.04
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	18	1.04
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	18	1.04
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	1	1.04
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	1	1.04
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	1	1.04
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	1	1.04
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	3	1.04
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	3	1.04
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	17	1.04
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	17	1.04
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	17	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	6	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	6	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	15	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	15	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	18	1.04
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	18	1.04
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	11	1.04
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	11	1.04
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	11	1.04
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	11	1.04
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	11	1.04
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	11	1.04
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	1	1.04
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	1	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	1	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	1	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	1	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	1	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	1	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	1	1.04
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	5	1.04
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	5	1.04
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	5	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	5	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	5	1.04
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	5	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	5	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	5	1.04
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	5	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	3	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	3	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	3	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	6	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	6	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	6	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	8	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	8	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	8	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	9	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	9	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	9	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	11	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	11	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	11	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	12	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	12	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	12	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	16	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	16	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	16	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	17	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	17	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	17	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB1	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB2	20	1.04
(1,309)	1:132:A:ALA:H	1:132:A:ALA:HB3	20	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	7	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	7	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	7	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	7	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	7	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	7	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	9	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	9	1.04
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	9	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	9	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	9	1.04
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	9	1.04
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	1	1.04
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	9	1.04
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	9	1.04
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	9	1.04
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	7	1.04
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	7	1.04
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB2	7	1.04
(1,232)	1:38:A:LYS:H	1:38:A:LYS:HB3	7	1.04
(1,227)	1:179:A:THR:H	1:179:A:THR:HG21	16	1.04
(1,227)	1:179:A:THR:H	1:179:A:THR:HG22	16	1.04
(1,227)	1:179:A:THR:H	1:179:A:THR:HG23	16	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	13	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	13	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	13	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	15	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	15	1.04
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	15	1.04
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	1	1.04
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	1	1.04
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	1	1.04
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	5	1.04
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	9	1.04
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	5	1.04
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	5	1.04
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	5	1.04
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	5	1.04
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	17	1.04
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	10	1.04
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	4	1.04
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	4	1.04
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	4	1.04
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	4	1.04
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	3	1.04
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	3	1.04
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	5	1.04
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	5	1.04
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	14	1.04
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	14	1.04
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	15	1.04
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	15	1.04
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	14	1.04
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	14	1.04
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	14	1.04
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	14	1.04
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	14	1.04
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	14	1.04
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	8	1.04
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	8	1.04
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	8	1.04
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	8	1.04
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	8	1.04
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	8	1.04
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	9	1.04
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	9	1.04
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	7	1.04
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	4	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	4	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	4	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	6	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	6	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	6	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	18	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	18	1.03
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	18	1.03
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	1	1.03
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	1	1.03
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	1	1.03
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	14	1.03
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	14	1.03
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	18	1.03
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	18	1.03
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	18	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	9	1.03
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	9	1.03
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	15	1.03
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	15	1.03
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	15	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	12	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	12	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	12	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	12	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	12	1.03
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	12	1.03
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	3	1.03
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	3	1.03
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	3	1.03
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	16	1.03
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	16	1.03
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	16	1.03
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	16	1.03
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	16	1.03
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	16	1.03
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	7	1.03
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	7	1.03
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	7	1.03
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	7	1.03
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	7	1.03
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	7	1.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	12	1.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	12	1.03
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	12	1.03
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	12	1.03
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	12	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	12	1.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	12	1.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	12	1.03
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	12	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	11	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	11	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	11	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	11	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	11	1.03
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	11	1.03
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	10	1.03
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	10	1.03
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	10	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	5	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	5	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	5	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	20	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	20	1.03
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	20	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	12	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	12	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	12	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	12	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	19	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	19	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	19	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	19	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	19	1.03
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	19	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	19	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	19	1.03
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	19	1.03
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	7	1.03
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	7	1.03
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	7	1.03
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	1	1.03
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	1	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	1	1.03
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	18	1.03
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	18	1.03
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	18	1.03
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	10	1.03
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	10	1.03
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	10	1.03
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	17	1.03
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	17	1.03
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	17	1.03
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	17	1.03
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	17	1.03
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	17	1.03
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	3	1.03
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	3	1.03
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	3	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	8	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	8	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	8	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	11	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	11	1.03
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	11	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	9	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	9	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	9	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG21	17	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG22	17	1.03
(1,1859)	1:100:A:LEU:HB3	1:105:A:VAL:HG23	17	1.03
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	20	1.03
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	20	1.03
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	20	1.03
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	20	1.03
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	20	1.03
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	20	1.03
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	20	1.03
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	20	1.03
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	20	1.03
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	3	1.03
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	3	1.03
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	3	1.03
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	3	1.03
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	3	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	3	1.03
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD21	11	1.03
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD22	11	1.03
(1,1823)	1:24:A:LEU:HA	1:24:A:LEU:HD23	11	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	1	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	1	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	1	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	2	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	2	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	2	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	5	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	5	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	5	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	7	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	7	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	7	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	10	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	10	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	10	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	12	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	12	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	12	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	14	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	14	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	14	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	16	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	16	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	16	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG21	18	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG22	18	1.03
(1,1820)	1:128:A:VAL:HA	1:128:A:VAL:HG23	18	1.03
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	16	1.03
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	16	1.03
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	16	1.03
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	16	1.03
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	20	1.03
(1,1768)	1:227:A:SER:HB2	1:228:A:GLN:H	19	1.03
(1,1768)	1:227:A:SER:HB3	1:228:A:GLN:H	19	1.03
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	18	1.03
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	12	1.03
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	12	1.03
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	9	1.03
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	9	1.03
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	9	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	7	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	7	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	10	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	10	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	1.03
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	1.03
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	8	1.03
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	2	1.03
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	2	1.03
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	6	1.03
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	6	1.03
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	5	1.03
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	5	1.03
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	19	1.03
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	19	1.03
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	2	1.03
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	4	1.03
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	11	1.03
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	11	1.03
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	11	1.03
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	11	1.03
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	4	1.03
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	4	1.03
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	4	1.03
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	4	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	6	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	6	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	7	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	7	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	10	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	10	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	11	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	11	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	17	1.03
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	17	1.03
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	7	1.03
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	1	1.03
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	1	1.03
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	12	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	12	1.03
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	12	1.03
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	12	1.03
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	2	1.03
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	19	1.03
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	8	1.03
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	8	1.03
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	8	1.03
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	10	1.03
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	10	1.03
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	10	1.03
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	1	1.03
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	1	1.03
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	12	1.03
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	11	1.03
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	11	1.03
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	20	1.03
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	20	1.03
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	20	1.03
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	20	1.03
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	6	1.03
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	6	1.03
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	6	1.03
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	11	1.03
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	11	1.03
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	11	1.03
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	14	1.03
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	14	1.03
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	14	1.03
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	4	1.03
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	4	1.03
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	10	1.03
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	6	1.03
(1,1432)	1:149:A:PHE:HB2	1:151:A:GLY:H	18	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	12	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	12	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	12	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	12	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	13	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	13	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	13	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	13	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	20	1.03
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	20	1.03
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	7	1.03
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	16	1.03
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	18	1.03
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	18	1.03
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	18	1.03
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	11	1.03
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	11	1.03
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	11	1.03
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	11	1.03
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	5	1.03
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	7	1.03
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	10	1.03
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	18	1.03
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	12	1.03
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	12	1.03
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	9	1.03
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	9	1.03
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	20	1.03
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	20	1.03
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	3	1.03
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	4	1.03
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	6	1.03
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	9	1.03
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	17	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	1	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	1	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	15	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	15	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	18	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	18	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	19	1.03
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	19	1.03
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	9	1.03
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	9	1.03
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	9	1.03
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	9	1.03
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	10	1.03
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	14	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	2	1.03
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	7	1.03
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	12	1.03
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	20	1.03
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	12	1.03
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	12	1.03
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	16	1.03
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	16	1.03
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	16	1.03
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	12	1.03
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	12	1.03
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	12	1.03
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	8	1.03
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	8	1.03
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	1	1.03
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	5	1.03
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	5	1.03
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	5	1.03
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	5	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	3	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	3	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	3	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	3	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	20	1.03
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	20	1.03
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	18	1.03
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG2	19	1.03
(1,1203)	1:83:A:LYS:H	1:83:A:LYS:HG3	19	1.03
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	7	1.03
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	7	1.03
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	10	1.03
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	10	1.03
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	3	1.03
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	7	1.03
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	20	1.03
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	1	1.03
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	1	1.03
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	1	1.03
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	9	1.03
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	9	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	9	1.03
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	10	1.03
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	12	1.03
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	17	1.03
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	12	1.03
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	15	1.03
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	11	1.03
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	15	1.03
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	4	1.03
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	6	1.03
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	10	1.03
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	8	1.03
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	14	1.03
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	16	1.03
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	4	1.03
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	4	1.03
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG2	3	1.03
(1,860)	1:232:A:LYS:H	1:232:A:LYS:HG3	3	1.03
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	9	1.03
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	9	1.03
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	6	1.03
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	6	1.03
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	6	1.03
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	7	1.03
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	7	1.03
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	7	1.03
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	9	1.03
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	9	1.03
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	9	1.03
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	18	1.03
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	18	1.03
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	18	1.03
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	19	1.03
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	19	1.03
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	19	1.03
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	20	1.03
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	20	1.03
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	20	1.03
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	20	1.03
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	20	1.03
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	20	1.03
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	5	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	5	1.03
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	5	1.03
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	1	1.03
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	1	1.03
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	1	1.03
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	9	1.03
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	9	1.03
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	9	1.03
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	13	1.03
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	13	1.03
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	13	1.03
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	4	1.03
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	18	1.03
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	18	1.03
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	16	1.03
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	12	1.03
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	12	1.03
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	3	1.03
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	3	1.03
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	3	1.03
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	3	1.03
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	14	1.03
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	14	1.03
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	20	1.03
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	20	1.03
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	20	1.03
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	8	1.03
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	8	1.03
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	8	1.03
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	9	1.03
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	9	1.03
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	9	1.03
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	9	1.03
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	9	1.03
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	9	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	1	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	1	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	1	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	1	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	4	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	4	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	4	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	18	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	18	1.03
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	18	1.03
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	18	1.03
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	1	1.03
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	1	1.03
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	1	1.03
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	11	1.03
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	11	1.03
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	11	1.03
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	11	1.03
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	11	1.03
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	11	1.03
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	18	1.03
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	18	1.03
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	18	1.03
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	18	1.03
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	18	1.03
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	18	1.03
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	11	1.03
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	12	1.03
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	14	1.03
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	15	1.03
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	18	1.03
(1,516)	1:92:A:ARG:HD2	1:131:A:THR:HA	8	1.03
(1,516)	1:92:A:ARG:HD3	1:131:A:THR:HA	8	1.03
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	8	1.03
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	8	1.03
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	8	1.03
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	8	1.03
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	8	1.03
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	8	1.03
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	11	1.03
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	11	1.03
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	11	1.03
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	11	1.03
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	4	1.03
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	4	1.03
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	4	1.03
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	2	1.03
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	2	1.03
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	2	1.03
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	2	1.03
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	2	1.03
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	2	1.03
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	2	1.03
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	2	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	1	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	1	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	3	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	3	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	16	1.03
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	16	1.03
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	8	1.03
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	8	1.03
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	8	1.03
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	8	1.03
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	5	1.03
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	5	1.03
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	13	1.03
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	13	1.03
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	13	1.03
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	13	1.03
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	13	1.03
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	13	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	3	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	3	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	3	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	3	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	3	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	3	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	8	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	8	1.03
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	8	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	8	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	8	1.03
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	8	1.03
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	15	1.03
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	15	1.03
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	15	1.03
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	2	1.03
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	2	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	2	1.03
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	2	1.03
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	2	1.03
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	2	1.03
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	19	1.03
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	19	1.03
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	19	1.03
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	19	1.03
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	19	1.03
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	19	1.03
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	19	1.03
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	19	1.03
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	19	1.03
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	19	1.03
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	19	1.03
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	19	1.03
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	19	1.03
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	5	1.03
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	5	1.03
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	5	1.03
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	5	1.03
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	8	1.03
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	8	1.03
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	8	1.03
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	5	1.03
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	5	1.03
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	5	1.03
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	5	1.03
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	5	1.03
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	5	1.03
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	1	1.03
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	6	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	6	1.03
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	6	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	2	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	2	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	2	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	12	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	12	1.03
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	12	1.03
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	12	1.03
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	12	1.03
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	13	1.03
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	13	1.03
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	20	1.03
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	20	1.03
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	7	1.03
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	7	1.03
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	15	1.03
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	15	1.03
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	17	1.03
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	17	1.03
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	2	1.02
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	15	1.02
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	17	1.02
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	17	1.02
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	17	1.02
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	17	1.02
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	17	1.02
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	17	1.02
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	7	1.02
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	7	1.02
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	7	1.02
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	11	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	11	1.02
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	11	1.02
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	13	1.02
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	13	1.02
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	13	1.02
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	14	1.02
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	14	1.02
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	14	1.02
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	3	1.02
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	3	1.02
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	3	1.02
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	19	1.02
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	19	1.02
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	19	1.02
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	14	1.02
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	14	1.02
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	14	1.02
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	12	1.02
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	12	1.02
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	12	1.02
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	2	1.02
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	2	1.02
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	2	1.02
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	2	1.02
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	2	1.02
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	2	1.02
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	12	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	12	1.02
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	12	1.02
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	12	1.02
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	19	1.02
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	19	1.02
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	19	1.02
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG21	12	1.02
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG22	12	1.02
(1,2027)	1:94:A:VAL:H	1:94:A:VAL:HG23	12	1.02
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	2	1.02
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	2	1.02
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	2	1.02
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	4	1.02
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	4	1.02
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	4	1.02
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	4	1.02
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	4	1.02
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	4	1.02
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	17	1.02
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	17	1.02
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	17	1.02
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	17	1.02
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	17	1.02
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	17	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	3	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	3	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	3	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	19	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	19	1.02
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	19	1.02
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	16	1.02
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	16	1.02
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	16	1.02
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	9	1.02
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	9	1.02
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	9	1.02
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	1	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	1	1.02
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	1	1.02
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	1	1.02
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	1	1.02
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	1	1.02
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	19	1.02
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	19	1.02
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	19	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	13	1.02
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	13	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	20	1.02
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	20	1.02
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	20	1.02
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	14	1.02
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	14	1.02
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	14	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	4	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	4	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	4	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	4	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	4	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	4	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	4	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	4	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	4	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	10	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	10	1.02
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	10	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	10	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	10	1.02
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	10	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	10	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	10	1.02
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	10	1.02
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	6	1.02
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	6	1.02
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	6	1.02
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	6	1.02
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	6	1.02
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	6	1.02
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	8	1.02
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	8	1.02
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	8	1.02
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	3	1.02
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	3	1.02
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	7	1.02
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	15	1.02
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	15	1.02
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	18	1.02
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	18	1.02
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	7	1.02
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	17	1.02
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	13	1.02
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	7	1.02
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	7	1.02
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	7	1.02
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	4	1.02
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	19	1.02
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	19	1.02
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	16	1.02
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	16	1.02
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	2	1.02
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	16	1.02
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	13	1.02
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	13	1.02
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	13	1.02
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	13	1.02
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	8	1.02
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	8	1.02
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	13	1.02
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	13	1.02
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	8	1.02
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	8	1.02
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	8	1.02
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	11	1.02
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	11	1.02
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	11	1.02
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	20	1.02
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	20	1.02
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	20	1.02
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	1	1.02
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	17	1.02
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	17	1.02
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	17	1.02
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	10	1.02
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	20	1.02
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	11	1.02
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	11	1.02
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	19	1.02
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	19	1.02
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	15	1.02
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	20	1.02
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	11	1.02
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	2	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	2	1.02
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	2	1.02
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	9	1.02
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	9	1.02
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	17	1.02
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	17	1.02
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	17	1.02
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	17	1.02
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	17	1.02
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	12	1.02
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	7	1.02
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	7	1.02
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	7	1.02
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	7	1.02
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	1	1.02
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	5	1.02
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	18	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	2	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	2	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	2	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	17	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	17	1.02
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	17	1.02
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	4	1.02
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	6	1.02
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	15	1.02
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	11	1.02
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	11	1.02
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	11	1.02
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	1	1.02
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	13	1.02
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	14	1.02
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	16	1.02
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	12	1.02
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	14	1.02
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	14	1.02
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	3	1.02
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	4	1.02
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	11	1.02
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	11	1.02
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	14	1.02
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	1	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	2	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	5	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	7	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	8	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	10	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	11	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	12	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	13	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	14	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	15	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	16	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	18	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	19	1.02
(1,1300)	1:107:A:ARG:H	1:108:A:LEU:H	20	1.02
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	11	1.02
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	11	1.02
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	14	1.02
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	14	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	6	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	6	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	6	1.02
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	6	1.02
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	9	1.02
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	3	1.02
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	3	1.02
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	17	1.02
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	8	1.02
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	8	1.02
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	8	1.02
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	14	1.02
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	14	1.02
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	14	1.02
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	11	1.02
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	11	1.02
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	11	1.02
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	5	1.02
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	5	1.02
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	10	1.02
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	12	1.02
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	12	1.02
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	18	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	18	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	10	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	10	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	10	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	12	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	12	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	12	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	19	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	19	1.02
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	19	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	4	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	7	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	8	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	9	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	15	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	16	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	17	1.02
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	19	1.02
(1,1081)	1:69:A:VAL:H	1:159:A:ALA:H	17	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	4	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	4	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	4	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	18	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	18	1.02
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	18	1.02
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	7	1.02
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	8	1.02
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	1	1.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	9	1.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	9	1.02
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	9	1.02
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	7	1.02
(1,986)	1:87:A:LYS:H	1:88:A:VAL:H	20	1.02
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	20	1.02
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	20	1.02
(1,954)	1:55:A:ASN:H	1:59:A:ILE:H	2	1.02
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	15	1.02
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	15	1.02
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	18	1.02
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	18	1.02
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	4	1.02
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	13	1.02
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	13	1.02
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	11	1.02
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	17	1.02
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	17	1.02
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	17	1.02
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	17	1.02
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	17	1.02
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	17	1.02
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	8	1.02
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	8	1.02
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	8	1.02
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	8	1.02
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	8	1.02
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	8	1.02
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	4	1.02
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	4	1.02
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	8	1.02
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	8	1.02
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	14	1.02
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	14	1.02
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	14	1.02
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	5	1.02
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	5	1.02
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	5	1.02
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	9	1.02
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	9	1.02
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	9	1.02
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	9	1.02
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	9	1.02
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	9	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	10	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	10	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	10	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	11	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	11	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	11	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	14	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	14	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	14	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	15	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	15	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD11	20	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD12	20	1.02
(1,781)	1:134:A:ILE:HB	1:134:A:ILE:HD13	20	1.02
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	13	1.02
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	13	1.02
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	13	1.02
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	13	1.02
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	13	1.02
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	13	1.02
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	13	1.02
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	13	1.02
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	13	1.02
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	1	1.02
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	1	1.02
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	12	1.02
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	12	1.02
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	17	1.02
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	17	1.02
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	17	1.02
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	4	1.02
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	4	1.02
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	4	1.02
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	4	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	1	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	1	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	1	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	5	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	5	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	5	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	15	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	15	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	15	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	16	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	16	1.02
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	16	1.02
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	3	1.02
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	3	1.02
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	3	1.02
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	3	1.02
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	16	1.02
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	16	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	16	1.02
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	16	1.02
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	1	1.02
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	1	1.02
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	1	1.02
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	1	1.02
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	1	1.02
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	1	1.02
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	10	1.02
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	10	1.02
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	10	1.02
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	10	1.02
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	10	1.02
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	10	1.02
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	11	1.02
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	11	1.02
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	11	1.02
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	4	1.02
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	4	1.02
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	7	1.02
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	7	1.02
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	4	1.02
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	4	1.02
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	4	1.02
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	4	1.02
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	19	1.02
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	18	1.02
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	18	1.02
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	18	1.02
(1,535)	1:195:A:ALA:HA	1:198:A:HIS:HD2	13	1.02
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	3	1.02
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	5	1.02
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	6	1.02
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	19	1.02
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	7	1.02
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	7	1.02
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	17	1.02
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	17	1.02
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	17	1.02
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	1.02
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	1.02
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	20	1.02
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	20	1.02
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	20	1.02
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	1	1.02
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	1	1.02
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	1	1.02
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	3	1.02
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	3	1.02
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	3	1.02
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	3	1.02
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	3	1.02
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	3	1.02
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	11	1.02
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	11	1.02
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	11	1.02
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	11	1.02
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	11	1.02
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	11	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	20	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	20	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	20	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	20	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	20	1.02
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	20	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	4	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	4	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	7	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	7	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	8	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	8	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	11	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	11	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	12	1.02
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	12	1.02
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	5	1.02
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	5	1.02
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	5	1.02
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	5	1.02
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	5	1.02
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	5	1.02
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	20	1.02
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	20	1.02
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	20	1.02
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	4	1.02
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	17	1.02
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	2	1.02
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	2	1.02
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	2	1.02
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	9	1.02
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	9	1.02
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	9	1.02
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	9	1.02
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	9	1.02
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	9	1.02
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	5	1.02
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	5	1.02
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	5	1.02
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	5	1.02
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	5	1.02
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	5	1.02
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	5	1.02
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	5	1.02
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	5	1.02
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	8	1.02
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	8	1.02
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	8	1.02
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	8	1.02
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	8	1.02
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	8	1.02
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	17	1.02
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	17	1.02
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	17	1.02
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	17	1.02
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	17	1.02
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	17	1.02
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	18	1.02
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	18	1.02
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	18	1.02
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	8	1.02
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	8	1.02
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	8	1.02
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	14	1.02
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	14	1.02
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	14	1.02
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	14	1.02
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	14	1.02
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	17	1.02
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	17	1.02
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	17	1.02
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	17	1.02
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	17	1.02
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	17	1.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	13	1.02
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	13	1.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	13	1.02
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	13	1.02
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	13	1.02
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	13	1.02
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	7	1.02
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	7	1.02
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	11	1.02
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	11	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	13	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	13	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	15	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	15	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	19	1.02
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	19	1.02
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	9	1.02
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	13	1.02
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	11	1.02
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	11	1.02
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	11	1.02
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	11	1.02
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	11	1.02
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	11	1.02
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	2	1.02
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	2	1.02
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	2	1.02
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	2	1.02
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	2	1.02
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	2	1.02
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	17	1.02
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	17	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	17	1.02
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	14	1.02
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	14	1.02
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	17	1.02
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	17	1.02
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	13	1.02
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	13	1.02
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	13	1.02
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	13	1.02
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	13	1.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	19	1.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	19	1.02
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	19	1.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	19	1.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	19	1.02
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	19	1.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	19	1.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	19	1.02
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	19	1.02
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	4	1.02
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	4	1.02
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	4	1.02
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	7	1.02
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	7	1.02
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	7	1.02
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	7	1.02
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	11	1.02
(1,71)	1:12:A:TRP:HA	1:15:A:ALA:H	3	1.02
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	2	1.02
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	2	1.02
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	16	1.02
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	16	1.02
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	20	1.02
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	20	1.02
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	12	1.02
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	12	1.02
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	7	1.02
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	7	1.02
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	7	1.02
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	7	1.02
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	7	1.02
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	7	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	9	1.01
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	9	1.01
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	9	1.01
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	10	1.01
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	10	1.01
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	10	1.01
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	11	1.01
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	11	1.01
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	11	1.01
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	15	1.01
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	15	1.01
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	15	1.01
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	9	1.01
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	9	1.01
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	9	1.01
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	17	1.01
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	17	1.01
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	17	1.01
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	20	1.01
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	20	1.01
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	20	1.01
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	6	1.01
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	6	1.01
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	6	1.01
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	11	1.01
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	11	1.01
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	11	1.01
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	19	1.01
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	19	1.01
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	19	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	4	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	4	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	4	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	4	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	4	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	4	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	4	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	4	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	4	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	7	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	7	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	7	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	7	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	7	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	7	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	7	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	7	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	7	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	19	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	19	1.01
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	19	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	19	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	19	1.01
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	19	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	19	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	19	1.01
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	19	1.01
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	9	1.01
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	9	1.01
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	9	1.01
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	9	1.01
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	9	1.01
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	9	1.01
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	9	1.01
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	9	1.01
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	19	1.01
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	19	1.01
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	19	1.01
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	11	1.01
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	11	1.01
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	11	1.01
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	13	1.01
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	13	1.01
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	13	1.01
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	13	1.01
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	13	1.01
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	13	1.01
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	13	1.01
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	13	1.01
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	13	1.01
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	20	1.01
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	20	1.01
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	20	1.01
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	20	1.01
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	20	1.01
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	20	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	7	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	7	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	7	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	12	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	12	1.01
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	12	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	4	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	4	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	4	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	13	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	13	1.01
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	13	1.01
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	17	1.01
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	17	1.01
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	17	1.01
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	7	1.01
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	7	1.01
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	7	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	10	1.01
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	10	1.01
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	10	1.01
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	2	1.01
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	7	1.01
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	7	1.01
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	7	1.01
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	7	1.01
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	7	1.01
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	7	1.01
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD11	5	1.01
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD12	5	1.01
(1,1925)	1:46:A:PHE:HB2	1:48:A:LEU:HD13	5	1.01
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD11	5	1.01
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD12	5	1.01
(1,1925)	1:46:A:PHE:HB3	1:48:A:LEU:HD13	5	1.01
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	15	1.01
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	15	1.01
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	15	1.01
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	20	1.01
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	20	1.01
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	20	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	14	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	14	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	14	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	14	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	14	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	14	1.01
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	14	1.01
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	14	1.01
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	14	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	16	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	16	1.01
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	16	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	16	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	16	1.01
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	16	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	16	1.01
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	16	1.01
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	16	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	13	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	13	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	13	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	16	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	16	1.01
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	16	1.01
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	9	1.01
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	9	1.01
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	9	1.01
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	9	1.01
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	9	1.01
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	9	1.01
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	13	1.01
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	13	1.01
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	13	1.01
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	19	1.01
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	19	1.01
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	19	1.01
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	19	1.01
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	19	1.01
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	19	1.01
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	19	1.01
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	19	1.01
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	19	1.01
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	2	1.01
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	2	1.01
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	2	1.01
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	10	1.01
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	10	1.01
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	10	1.01
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	12	1.01
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	12	1.01
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	12	1.01
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	12	1.01
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	12	1.01
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	12	1.01
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	12	1.01
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	12	1.01
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	12	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	17	1.01
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	17	1.01
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	18	1.01
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	18	1.01
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	19	1.01
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	19	1.01
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	7	1.01
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	7	1.01
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	19	1.01
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	19	1.01
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	19	1.01
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	19	1.01
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	16	1.01
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	7	1.01
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	6	1.01
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	6	1.01
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	6	1.01
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	12	1.01
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	12	1.01
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	12	1.01
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	5	1.01
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	5	1.01
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	4	1.01
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	6	1.01
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	15	1.01
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	7	1.01
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	7	1.01
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	7	1.01
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	17	1.01
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	17	1.01
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	17	1.01
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	6	1.01
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	6	1.01
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	10	1.01
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	10	1.01
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	10	1.01
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	14	1.01
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	14	1.01
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	2	1.01
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	17	1.01
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	2	1.01
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	10	1.01
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	17	1.01
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	17	1.01
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	18	1.01
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	18	1.01
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	1	1.01
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	7	1.01
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	7	1.01
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	1	1.01
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	1	1.01
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	1	1.01
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	1	1.01
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	14	1.01
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	5	1.01
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	5	1.01
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	2	1.01
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	2	1.01
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG2	16	1.01
(1,1607)	1:236:A:LYS:H	1:236:A:LYS:HG3	16	1.01
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	4	1.01
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	8	1.01
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	12	1.01
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	16	1.01
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	7	1.01
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	7	1.01
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	7	1.01
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	14	1.01
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	14	1.01
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	14	1.01
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	9	1.01
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	9	1.01
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	5	1.01
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	9	1.01
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	14	1.01
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	2	1.01
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	2	1.01
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	14	1.01
(1,1551)	1:199:A:SER:H	1:200:A:LEU:H	19	1.01
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	1	1.01
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	3	1.01
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	5	1.01
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	11	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	11	1.01
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	1	1.01
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	1	1.01
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	3	1.01
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	3	1.01
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	3	1.01
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	10	1.01
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	10	1.01
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	10	1.01
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	10	1.01
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	11	1.01
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	11	1.01
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	4	1.01
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	4	1.01
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	9	1.01
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	4	1.01
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	4	1.01
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	4	1.01
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	15	1.01
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	15	1.01
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	15	1.01
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	2	1.01
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	10	1.01
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	18	1.01
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	8	1.01
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB2	1	1.01
(1,1429)	1:10:A:LEU:H	1:10:A:LEU:HB3	1	1.01
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	8	1.01
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	8	1.01
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB2	8	1.01
(1,1415)	1:139:A:ALA:H	1:174:A:GLU:HB3	8	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	6	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	6	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	6	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	7	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	7	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	7	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	9	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	9	1.01
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	9	1.01
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	14	1.01
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	14	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	14	1.01
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	14	1.01
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	19	1.01
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	12	1.01
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	12	1.01
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	12	1.01
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	2	1.01
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	2	1.01
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	17	1.01
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	20	1.01
(1,1361)	1:90:A:THR:HG21	1:125:A:ARG:H	13	1.01
(1,1361)	1:90:A:THR:HG22	1:125:A:ARG:H	13	1.01
(1,1361)	1:90:A:THR:HG23	1:125:A:ARG:H	13	1.01
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	6	1.01
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	6	1.01
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	6	1.01
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	10	1.01
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	10	1.01
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	12	1.01
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	12	1.01
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	13	1.01
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	13	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	3	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	3	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	3	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	3	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	14	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	14	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	14	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	14	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	15	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	15	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	15	1.01
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	15	1.01
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	8	1.01
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	3	1.01
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	19	1.01
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	11	1.01
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	11	1.01
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	12	1.01
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	1	1.01
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	1	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	7	1.01
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	13	1.01
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	15	1.01
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	11	1.01
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	11	1.01
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	11	1.01
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	11	1.01
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	19	1.01
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	15	1.01
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	15	1.01
(1,1161)	1:222:A:GLN:H	1:223:A:ASN:H	19	1.01
(1,1121)	1:186:A:ILE:H	1:186:A:ILE:HG12	6	1.01
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	4	1.01
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	4	1.01
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	4	1.01
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	10	1.01
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	5	1.01
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	5	1.01
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	5	1.01
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	5	1.01
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	14	1.01
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	16	1.01
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	1	1.01
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	9	1.01
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	16	1.01
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	1	1.01
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	12	1.01
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	20	1.01
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	8	1.01
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	8	1.01
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	20	1.01
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	20	1.01
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	10	1.01
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	10	1.01
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	10	1.01
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	10	1.01
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	10	1.01
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	10	1.01
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	8	1.01
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	8	1.01
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	8	1.01
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	8	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	8	1.01
(1,814)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	8	1.01
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	18	1.01
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	4	1.01
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	4	1.01
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	4	1.01
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	4	1.01
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	4	1.01
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	4	1.01
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	14	1.01
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	7	1.01
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	5	1.01
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	5	1.01
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	5	1.01
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	15	1.01
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	15	1.01
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	18	1.01
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	18	1.01
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	15	1.01
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	15	1.01
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	15	1.01
(1,644)	1:41:A:GLU:H	1:41:A:GLU:HG3	18	1.01
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	8	1.01
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	8	1.01
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	8	1.01
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	10	1.01
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	10	1.01
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	10	1.01
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	4	1.01
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	4	1.01
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	4	1.01
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	15	1.01
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	15	1.01
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	15	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	2	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	2	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	2	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	2	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	5	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	5	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	5	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	5	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	7	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	7	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	7	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	7	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	10	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	10	1.01
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	10	1.01
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	10	1.01
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	8	1.01
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	8	1.01
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	11	1.01
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	11	1.01
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	11	1.01
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	11	1.01
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	11	1.01
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	11	1.01
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	11	1.01
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	11	1.01
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	11	1.01
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	11	1.01
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	3	1.01
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	3	1.01
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	3	1.01
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	3	1.01
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	3	1.01
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	3	1.01
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	10	1.01
(1,553)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	10	1.01
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	10	1.01
(1,553)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	10	1.01
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	10	1.01
(1,553)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	10	1.01
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	2	1.01
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	7	1.01
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	8	1.01
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	10	1.01
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	10	1.01
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	10	1.01
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	10	1.01
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	17	1.01
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	17	1.01
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	3	1.01
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	3	1.01
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	3	1.01
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	3	1.01
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	11	1.01
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	11	1.01
(1,361)	1:202:A:MET:HA	1:203:A:GLY:H	6	1.01
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	7	1.01
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	7	1.01
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	7	1.01
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	7	1.01
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	7	1.01
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	7	1.01
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	19	1.01
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	19	1.01
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	3	1.01
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	3	1.01
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	3	1.01
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	3	1.01
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	3	1.01
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	3	1.01
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	12	1.01
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	12	1.01
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	12	1.01
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	12	1.01
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	12	1.01
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	12	1.01
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	12	1.01
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	12	1.01
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	12	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	2	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	2	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	2	1.01
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	2	1.01
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	2	1.01
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	2	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	2	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	2	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	2	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	9	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	9	1.01
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	9	1.01
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	9	1.01
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	9	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	9	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	9	1.01
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	9	1.01
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	6	1.01
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	6	1.01
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	6	1.01
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	6	1.01
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	6	1.01
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	6	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	6	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	6	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	6	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	6	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	6	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	6	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	9	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	9	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	9	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	9	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	9	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	9	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	13	1.01
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	13	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	13	1.01
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	13	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	13	1.01
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	13	1.01
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	2	1.01
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	2	1.01
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	13	1.01
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	13	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	6	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	6	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	10	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	10	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	12	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	12	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	17	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	18	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	18	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	1.01
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	1.01
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	6	1.01
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	8	1.01
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	17	1.01
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	2	1.01
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	2	1.01
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	3	1.01
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	3	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	8	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	8	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	8	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	9	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	9	1.01
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	9	1.01
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	16	1.01
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	16	1.01
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	16	1.01
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	16	1.01
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	16	1.01
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	16	1.01
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	13	1.01
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	13	1.01
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	13	1.01
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	13	1.01
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	12	1.01
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	4	1.01
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	18	1.01
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	18	1.01
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	16	1.01
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	16	1.01
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	16	1.01
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	16	1.01
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	16	1.01
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	16	1.01
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	6	1.01
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	6	1.01
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	17	1.0
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	17	1.0
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	20	1.0
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	20	1.0
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	20	1.0
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	20	1.0
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	20	1.0
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	20	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	3	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	3	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	3	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	8	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	8	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	8	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	9	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	9	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	9	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	12	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	12	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	12	1.0
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG21	19	1.0
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG22	19	1.0
(1,2242)	1:57:A:ARG:H	1:58:A:VAL:HG23	19	1.0
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	18	1.0
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	18	1.0
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	18	1.0
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	19	1.0
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	19	1.0
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	19	1.0
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	14	1.0
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	14	1.0
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	14	1.0
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	14	1.0
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	10	1.0
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	10	1.0
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	10	1.0
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	16	1.0
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	16	1.0
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	16	1.0
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	16	1.0
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	16	1.0
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	18	1.0
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	18	1.0
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	18	1.0
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	13	1.0
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	13	1.0
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	13	1.0
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	13	1.0
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	13	1.0
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	13	1.0
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	6	1.0
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	6	1.0
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	6	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	6	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	6	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	6	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	6	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	6	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	18	1.0
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	18	1.0
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	18	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	18	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	18	1.0
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	18	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	18	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	18	1.0
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	18	1.0
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	15	1.0
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	15	1.0
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	15	1.0
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	15	1.0
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	15	1.0
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	15	1.0
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	2	1.0
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	2	1.0
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	2	1.0
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	14	1.0
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	14	1.0
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	14	1.0
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	20	1.0
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	20	1.0
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	20	1.0
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	16	1.0
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	16	1.0
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	16	1.0
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	12	1.0
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	12	1.0
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	12	1.0
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	3	1.0
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	3	1.0
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	3	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	6	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	6	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	6	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	10	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	10	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	10	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	17	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	17	1.0
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD1	8	1.0
(1,1887)	1:109:A:VAL:HG11	1:188:A:PHE:HD2	8	1.0
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD1	8	1.0
(1,1887)	1:109:A:VAL:HG12	1:188:A:PHE:HD2	8	1.0
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD1	8	1.0
(1,1887)	1:109:A:VAL:HG13	1:188:A:PHE:HD2	8	1.0
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	4	1.0
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	4	1.0
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	4	1.0
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	4	1.0
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	4	1.0
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	4	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	4	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	4	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	4	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	4	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	4	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	4	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	4	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	4	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	4	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	7	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	7	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	7	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	7	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	7	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	7	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	7	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	7	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	7	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	19	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	19	1.0
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	19	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	19	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	19	1.0
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	19	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	19	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	19	1.0
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	19	1.0
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	16	1.0
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	16	1.0
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	16	1.0
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	16	1.0
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	16	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	1	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	1	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	1	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	1	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	1	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	1	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	1	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	1	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	1	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	5	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	5	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	5	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	5	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	5	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	5	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	5	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	5	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	5	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	9	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	9	1.0
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	9	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	9	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	9	1.0
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	9	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	9	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	9	1.0
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	9	1.0
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	15	1.0
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	15	1.0
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	15	1.0
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	11	1.0
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	14	1.0
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	2	1.0
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	2	1.0
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	11	1.0
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	11	1.0
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	14	1.0
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	6	1.0
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	11	1.0
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	11	1.0
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	18	1.0
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	7	1.0
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	7	1.0
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	7	1.0
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	17	1.0
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	17	1.0
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	9	1.0
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	9	1.0
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	11	1.0
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	11	1.0
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	14	1.0
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	14	1.0
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	15	1.0
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	15	1.0
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	2	1.0
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	3	1.0
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	15	1.0
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	3	1.0
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	10	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	5	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	5	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	5	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	5	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	17	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	17	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	17	1.0
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	17	1.0
(1,1621)	1:17:A:ASP:H	1:18:A:TYR:H	17	1.0
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	2	1.0
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	5	1.0
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	11	1.0
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	15	1.0
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	6	1.0
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	6	1.0
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	6	1.0
(1,1592)	1:231:A:ILE:HG21	1:232:A:LYS:H	16	1.0
(1,1592)	1:231:A:ILE:HG22	1:232:A:LYS:H	16	1.0
(1,1592)	1:231:A:ILE:HG23	1:232:A:LYS:H	16	1.0
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	4	1.0
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	16	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	18	1.0
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	17	1.0
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	17	1.0
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	17	1.0
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	9	1.0
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	9	1.0
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	9	1.0
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	9	1.0
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	16	1.0
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	8	1.0
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	19	1.0
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	19	1.0
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	19	1.0
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	18	1.0
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	18	1.0
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	18	1.0
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	15	1.0
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	15	1.0
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	16	1.0
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	16	1.0
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	13	1.0
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	13	1.0
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	13	1.0
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	7	1.0
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	7	1.0
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	16	1.0
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	8	1.0
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	11	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	1	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	1	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	1	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	3	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	3	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	3	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	13	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	13	1.0
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	13	1.0
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	9	1.0
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	19	1.0
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	19	1.0
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	17	1.0
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	11	1.0
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	15	1.0
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	6	1.0
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	6	1.0
(1,1332)	1:116:A:TRP:HE1	1:193:A:THR:HA	1	1.0
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG21	16	1.0
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG22	16	1.0
(1,1328)	1:116:A:TRP:HE1	1:193:A:THR:HG23	16	1.0
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	15	1.0
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	15	1.0
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	3	1.0
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	3	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	7	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	7	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	7	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	7	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	10	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	10	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	10	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	10	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	11	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	11	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	11	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	11	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	19	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	19	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	19	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	19	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	20	1.0
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	20	1.0
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	9	1.0
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	14	1.0
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	17	1.0
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	5	1.0
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	11	1.0
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	11	1.0
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	10	1.0
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	10	1.0
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	10	1.0
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	10	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	6	1.0
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	6	1.0
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	6	1.0
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	2	1.0
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	2	1.0
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD1	18	1.0
(1,1230)	1:91:A:TYR:H	1:91:A:TYR:HD2	18	1.0
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	10	1.0
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	10	1.0
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	15	1.0
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	15	1.0
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	15	1.0
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	3	1.0
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	18	1.0
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	10	1.0
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	17	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	3	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	3	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	3	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	13	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	13	1.0
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	13	1.0
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	12	1.0
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	15	1.0
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	18	1.0
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	17	1.0
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	4	1.0
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	4	1.0
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	4	1.0
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	4	1.0
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	18	1.0
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	1	1.0
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	1	1.0
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	9	1.0
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	9	1.0
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	9	1.0
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	9	1.0
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	9	1.0
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	9	1.0
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	15	1.0
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	15	1.0
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	15	1.0
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	15	1.0
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	15	1.0
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	2	1.0
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	2	1.0
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	6	1.0
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	6	1.0
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	6	1.0
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	11	1.0
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	11	1.0
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	11	1.0
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	12	1.0
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	12	1.0
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	12	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	11	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	11	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	11	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	11	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	11	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	11	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	17	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	17	1.0
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	17	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	17	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	17	1.0
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	17	1.0
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	12	1.0
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	12	1.0
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	12	1.0
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	2	1.0
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	17	1.0
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	17	1.0
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	17	1.0
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	6	1.0
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	6	1.0
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	8	1.0
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	8	1.0
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	8	1.0
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	8	1.0
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	8	1.0
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	8	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	14	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	14	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	14	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	14	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	14	1.0
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	14	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	14	1.0
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	14	1.0
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	18	1.0
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	18	1.0
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	18	1.0
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	18	1.0
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	18	1.0
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	18	1.0
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	18	1.0
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	18	1.0
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	18	1.0
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	14	1.0
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	14	1.0
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	14	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	2	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	2	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	2	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	7	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	7	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	7	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	8	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	8	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	8	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	18	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	18	1.0
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	18	1.0
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	15	1.0
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	15	1.0
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	15	1.0
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	15	1.0
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA2	17	1.0
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA2	17	1.0
(1,608)	1:232:A:LYS:HG2	1:233:A:GLY:HA3	17	1.0
(1,608)	1:232:A:LYS:HG3	1:233:A:GLY:HA3	17	1.0
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	15	1.0
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	15	1.0
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	15	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	15	1.0
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	15	1.0
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	15	1.0
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	7	1.0
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	7	1.0
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	7	1.0
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	5	1.0
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	5	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	5	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	5	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	5	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	13	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	13	1.0
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	13	1.0
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	5	1.0
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	5	1.0
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	5	1.0
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	10	1.0
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	10	1.0
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	10	1.0
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	14	1.0
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	14	1.0
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	14	1.0
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	15	1.0
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	15	1.0
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	15	1.0
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	6	1.0
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	6	1.0
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	7	1.0
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	15	1.0
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	20	1.0
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	4	1.0
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	4	1.0
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	6	1.0
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	6	1.0
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	6	1.0
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	6	1.0
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	17	1.0
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	17	1.0
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	3	1.0
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	3	1.0
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	3	1.0
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	4	1.0
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	4	1.0
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	4	1.0
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	2	1.0
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	2	1.0
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	10	1.0
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	10	1.0
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	18	1.0
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	18	1.0
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	18	1.0
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	5	1.0
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	5	1.0
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	5	1.0
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	5	1.0
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	5	1.0
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	5	1.0
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	12	1.0
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	12	1.0
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	12	1.0
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	12	1.0
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	12	1.0
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	12	1.0
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	1	1.0
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	1	1.0
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	1	1.0
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	6	1.0
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	6	1.0
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	6	1.0
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	6	1.0
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	6	1.0
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	6	1.0
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	6	1.0
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	6	1.0
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	6	1.0
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	17	1.0
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	17	1.0
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	17	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	2	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	2	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	3	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	5	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	5	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	8	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	8	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	14	1.0
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	14	1.0
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	11	1.0
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	18	1.0
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	19	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	3	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	3	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	3	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	13	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	13	1.0
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	13	1.0
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	5	1.0
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	5	1.0
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	13	1.0
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	13	1.0
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	13	1.0
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	13	1.0
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	13	1.0
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	13	1.0
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	13	1.0
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	13	1.0
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	13	1.0
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	8	1.0
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	8	1.0
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	8	1.0
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	3	1.0
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	3	1.0
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	3	1.0
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	3	1.0
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	13	1.0
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	13	1.0
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	13	1.0
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	4	1.0
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	19	1.0
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	9	1.0
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	9	1.0
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	9	1.0
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	11	1.0
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	12	1.0
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	12	1.0
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	12	1.0
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	12	1.0
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	5	1.0
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	5	1.0
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	18	1.0
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	18	1.0
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	8	1.0
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	8	1.0
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	18	1.0
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	18	1.0
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	19	1.0
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	19	1.0
(1,25)	1:139:A:ALA:HB1	1:143:A:HIS:HD2	15	1.0
(1,25)	1:139:A:ALA:HB2	1:143:A:HIS:HD2	15	1.0
(1,25)	1:139:A:ALA:HB3	1:143:A:HIS:HD2	15	1.0
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	15	1.0
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	15	1.0
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	13	0.99
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	13	0.99
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	13	0.99
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	14	0.99
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	14	0.99
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	14	0.99
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	18	0.99
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	18	0.99
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	18	0.99
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	8	0.99
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	8	0.99
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	8	0.99
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	19	0.99
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	19	0.99
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	19	0.99
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	2	0.99
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	2	0.99
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	2	0.99
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	15	0.99
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	15	0.99
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	15	0.99
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	15	0.99
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	15	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	4	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	4	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	7	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	7	0.99
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	7	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	5	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	5	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	5	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	5	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	5	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	5	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	5	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	5	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	5	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	12	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	12	0.99
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	12	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	12	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	12	0.99
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	12	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	12	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	12	0.99
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	12	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	5	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	5	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	5	0.99
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	5	0.99
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	5	0.99
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	5	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	5	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	5	0.99
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	5	0.99
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	8	0.99
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	8	0.99
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	8	0.99
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	8	0.99
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	8	0.99
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	8	0.99
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	8	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	8	0.99
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	8	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	4	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	4	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	4	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	4	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	4	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	4	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	4	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	4	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	4	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	16	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	16	0.99
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	16	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	16	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	16	0.99
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	16	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	16	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	16	0.99
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	16	0.99
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	2	0.99
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	2	0.99
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	2	0.99
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	19	0.99
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	19	0.99
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	19	0.99
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	3	0.99
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	3	0.99
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	3	0.99
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	6	0.99
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	6	0.99
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	6	0.99
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	17	0.99
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	17	0.99
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	17	0.99
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	16	0.99
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	16	0.99
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	16	0.99
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	8	0.99
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	8	0.99
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	8	0.99
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	7	0.99
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	7	0.99
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	14	0.99
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	14	0.99
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	14	0.99
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	3	0.99
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	3	0.99
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	3	0.99
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	3	0.99
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	3	0.99
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	3	0.99
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	3	0.99
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	3	0.99
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	3	0.99
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	3	0.99
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG11	12	0.99
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG12	12	0.99
(1,1982)	1:90:A:THR:HA	1:127:A:VAL:HG13	12	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	6	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	6	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	6	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	15	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	15	0.99
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	15	0.99
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG11	7	0.99
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG12	7	0.99
(1,1967)	1:127:A:VAL:H	1:127:A:VAL:HG13	7	0.99
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	10	0.99
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	10	0.99
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	10	0.99
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD21	8	0.99
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD22	8	0.99
(1,1952)	1:200:A:LEU:HB3	1:200:A:LEU:HD23	8	0.99
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	4	0.99
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	4	0.99
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	4	0.99
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	4	0.99
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	4	0.99
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	19	0.99
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	19	0.99
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	19	0.99
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	19	0.99
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	19	0.99
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	19	0.99
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	19	0.99
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	19	0.99
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	19	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	4	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	4	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	4	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	9	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	9	0.99
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	9	0.99
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	17	0.99
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	17	0.99
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	17	0.99
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	17	0.99
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	17	0.99
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	17	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	15	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	15	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	15	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	15	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	15	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	15	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	15	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	15	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	15	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	16	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	16	0.99
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	16	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	16	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	16	0.99
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	16	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	16	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	16	0.99
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	16	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	11	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	11	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	11	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	11	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	11	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	11	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	11	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	11	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	11	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	14	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	14	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	14	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	14	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	14	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	14	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	14	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	14	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	14	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	16	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	16	0.99
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	16	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	16	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	16	0.99
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	16	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	16	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	16	0.99
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	16	0.99
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	13	0.99
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	13	0.99
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	13	0.99
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	13	0.99
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	13	0.99
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	13	0.99
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE1	15	0.99
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE2	15	0.99
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE1	15	0.99
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE2	15	0.99
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE1	15	0.99
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE2	15	0.99
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	5	0.99
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	12	0.99
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	10	0.99
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	10	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	16	0.99
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	16	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	1	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	2	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	3	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	4	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	5	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	6	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	7	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	8	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	10	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	11	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	12	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	13	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	14	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	15	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	16	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	17	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	18	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	19	0.99
(1,1734)	1:73:A:ALA:HA	1:74:A:GLU:H	20	0.99
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	6	0.99
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	10	0.99
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	7	0.99
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	10	0.99
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	13	0.99
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	6	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	3	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	3	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	3	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	18	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	18	0.99
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	18	0.99
(1,1702)	1:57:A:ARG:H	1:58:A:VAL:H	17	0.99
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	14	0.99
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	14	0.99
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	14	0.99
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	11	0.99
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	11	0.99
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	17	0.99
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	17	0.99
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	17	0.99
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	5	0.99
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	10	0.99
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	13	0.99
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	8	0.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	19	0.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	19	0.99
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	19	0.99
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	19	0.99
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	2	0.99
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	14	0.99
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	14	0.99
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	14	0.99
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	14	0.99
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	13	0.99
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	14	0.99
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	17	0.99
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	17	0.99
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	17	0.99
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	5	0.99
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	5	0.99
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	11	0.99
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	11	0.99
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	16	0.99
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	16	0.99
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	16	0.99
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	4	0.99
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	4	0.99
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB2	4	0.99
(1,1483)	1:174:A:GLU:H	1:174:A:GLU:HB3	4	0.99
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	19	0.99
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	19	0.99
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	12	0.99
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	12	0.99
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	12	0.99
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	7	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	14	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	14	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	14	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	15	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	15	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	18	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	18	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	18	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	20	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	20	0.99
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	20	0.99
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	11	0.99
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	11	0.99
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	4	0.99
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	4	0.99
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	8	0.99
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	5	0.99
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	5	0.99
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	5	0.99
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	5	0.99
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	10	0.99
(1,1371)	1:126:A:LYS:HA	1:127:A:VAL:H	14	0.99
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	15	0.99
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	15	0.99
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	15	0.99
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	12	0.99
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	12	0.99
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	10	0.99
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	10	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	8	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	8	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	8	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	8	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	13	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	13	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB2	13	0.99
(1,1288)	1:106:A:ASP:H	1:106:A:ASP:HB3	13	0.99
(1,1278)	1:101:A:PRO:HB2	1:104:A:THR:H	8	0.99
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	2	0.99
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	19	0.99
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	14	0.99
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	14	0.99
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	4	0.99
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	4	0.99
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	4	0.99
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	4	0.99
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	3	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	10	0.99
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	4	0.99
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	4	0.99
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	4	0.99
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	5	0.99
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	5	0.99
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	5	0.99
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	20	0.99
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	20	0.99
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	20	0.99
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	13	0.99
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	13	0.99
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	13	0.99
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	13	0.99
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	2	0.99
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	2	0.99
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	6	0.99
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	13	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	3	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	3	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	3	0.99
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	3	0.99
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	2	0.99
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	2	0.99
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	2	0.99
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	5	0.99
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	11	0.99
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	6	0.99
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	6	0.99
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	6	0.99
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	13	0.99
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	13	0.99
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	13	0.99
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	1	0.99
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	17	0.99
(1,933)	1:45:A:PHE:H	1:47:A:GLY:H	12	0.99
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	2	0.99
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	10	0.99
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	16	0.99
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	17	0.99
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	6	0.99
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	1	0.99
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	1	0.99
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	1	0.99
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	1	0.99
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	1	0.99
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	19	0.99
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	19	0.99
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	19	0.99
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	19	0.99
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	19	0.99
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	19	0.99
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	3	0.99
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	3	0.99
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	20	0.99
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	20	0.99
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	20	0.99
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	20	0.99
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	20	0.99
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	20	0.99
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	4	0.99
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	4	0.99
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	4	0.99
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	9	0.99
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	9	0.99
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	9	0.99
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	9	0.99
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	9	0.99
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	9	0.99
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	11	0.99
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	11	0.99
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	11	0.99
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	11	0.99
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	11	0.99
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	11	0.99
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	5	0.99
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	8	0.99
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	8	0.99
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	8	0.99
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	14	0.99
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	14	0.99
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	14	0.99
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	13	0.99
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	13	0.99
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	15	0.99
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	10	0.99
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	7	0.99
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	7	0.99
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	17	0.99
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	17	0.99
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	17	0.99
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	17	0.99
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	11	0.99
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	11	0.99
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	11	0.99
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	9	0.99
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	1	0.99
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	1	0.99
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	1	0.99
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	1	0.99
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	1	0.99
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	1	0.99
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	7	0.99
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	7	0.99
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	7	0.99
(1,593)	1:132:A:ALA:HB1	1:133:A:ASP:H	2	0.99
(1,593)	1:132:A:ALA:HB2	1:133:A:ASP:H	2	0.99
(1,593)	1:132:A:ALA:HB3	1:133:A:ASP:H	2	0.99
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	5	0.99
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	5	0.99
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	5	0.99
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	1	0.99
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	1	0.99
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	1	0.99
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	1	0.99
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	1	0.99
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	1	0.99
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	17	0.99
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	15	0.99
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	15	0.99
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	16	0.99
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	16	0.99
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	4	0.99
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	4	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	4	0.99
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	4	0.99
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	5	0.99
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	5	0.99
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	5	0.99
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	11	0.99
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	11	0.99
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	11	0.99
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	14	0.99
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	14	0.99
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	14	0.99
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	18	0.99
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	18	0.99
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	18	0.99
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	10	0.99
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	10	0.99
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	10	0.99
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	14	0.99
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	14	0.99
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	14	0.99
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	18	0.99
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	18	0.99
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	18	0.99
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	18	0.99
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	18	0.99
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	18	0.99
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	10	0.99
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	10	0.99
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	10	0.99
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	10	0.99
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	10	0.99
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	10	0.99
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	15	0.99
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	15	0.99
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	6	0.99
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	6	0.99
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	6	0.99
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	6	0.99
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	6	0.99
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	6	0.99
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	7	0.99
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	7	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	7	0.99
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	7	0.99
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	7	0.99
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	7	0.99
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	16	0.99
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	16	0.99
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	16	0.99
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	16	0.99
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	16	0.99
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	16	0.99
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	16	0.99
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	16	0.99
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	16	0.99
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	13	0.99
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	13	0.99
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	13	0.99
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	13	0.99
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	13	0.99
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	13	0.99
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	14	0.99
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	14	0.99
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	14	0.99
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	14	0.99
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	14	0.99
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	14	0.99
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	10	0.99
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	10	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	1	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	1	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	4	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	4	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	7	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	7	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	9	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	9	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	16	0.99
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	16	0.99
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	6	0.99
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	6	0.99
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	6	0.99
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	6	0.99
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	6	0.99
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	10	0.99
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	10	0.99
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	10	0.99
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	5	0.99
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	5	0.99
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	16	0.99
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	16	0.99
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	11	0.99
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	11	0.99
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	11	0.99
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	11	0.99
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	19	0.99
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	19	0.99
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	19	0.99
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	14	0.99
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	14	0.99
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	14	0.99
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	8	0.99
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	8	0.99
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	8	0.99
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	8	0.99
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	8	0.99
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	8	0.99
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	13	0.99
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	13	0.99
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	13	0.99
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	2	0.99
(1,126)	1:195:A:ALA:HA	1:198:A:HIS:HB2	1	0.99
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	19	0.99
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	19	0.99
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	10	0.99
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	10	0.99
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	15	0.99
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	15	0.99
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	15	0.99
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	15	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	15	0.99
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	15	0.99
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	11	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	11	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	11	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	18	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	18	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	18	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	20	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	20	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	20	0.98
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	11	0.98
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	12	0.98
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	18	0.98
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	19	0.98
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	19	0.98
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	19	0.98
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	19	0.98
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	19	0.98
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	19	0.98
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	15	0.98
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	15	0.98
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	15	0.98
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	4	0.98
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	4	0.98
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	4	0.98
(1,2184)	1:128:A:VAL:HG11	1:128:A:VAL:H	6	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2184)	1:128:A:VAL:HG12	1:128:A:VAL:H	6	0.98
(1,2184)	1:128:A:VAL:HG13	1:128:A:VAL:H	6	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	13	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	13	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	13	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	13	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	13	0.98
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	13	0.98
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	5	0.98
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	5	0.98
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	5	0.98
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	5	0.98
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	5	0.98
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	5	0.98
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	5	0.98
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	5	0.98
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	5	0.98
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	12	0.98
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	12	0.98
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	12	0.98
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	12	0.98
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	12	0.98
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	12	0.98
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD21	3	0.98
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD22	3	0.98
(1,2102)	1:109:A:VAL:HG21	1:113:A:LEU:HD23	3	0.98
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD21	3	0.98
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD22	3	0.98
(1,2102)	1:109:A:VAL:HG22	1:113:A:LEU:HD23	3	0.98
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD21	3	0.98
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD22	3	0.98
(1,2102)	1:109:A:VAL:HG23	1:113:A:LEU:HD23	3	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	2	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	2	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	2	0.98
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	2	0.98
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	2	0.98
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	2	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	2	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	2	0.98
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	2	0.98
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	20	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	20	0.98
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	20	0.98
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	1	0.98
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	1	0.98
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	1	0.98
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	1	0.98
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	1	0.98
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	1	0.98
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	1	0.98
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	1	0.98
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	1	0.98
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	8	0.98
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	8	0.98
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	8	0.98
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	14	0.98
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	14	0.98
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	14	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	5	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	5	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	5	0.98
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	5	0.98
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	5	0.98
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	5	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	5	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	5	0.98
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	5	0.98
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	17	0.98
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	17	0.98
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	17	0.98
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	17	0.98
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	17	0.98
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	17	0.98
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	17	0.98
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	17	0.98
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	17	0.98
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	8	0.98
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	8	0.98
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	8	0.98
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	14	0.98
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	14	0.98
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	14	0.98
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	14	0.98
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	14	0.98
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	14	0.98
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	14	0.98
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	14	0.98
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	14	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	5	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	5	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	5	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	6	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	6	0.98
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	6	0.98
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG21	1	0.98
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG22	1	0.98
(1,1912)	1:54:A:LEU:HA	1:58:A:VAL:HG23	1	0.98
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	18	0.98
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	18	0.98
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	18	0.98
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	12	0.98
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	12	0.98
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	12	0.98
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	10	0.98
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	10	0.98
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	10	0.98
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	10	0.98
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	10	0.98
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	10	0.98
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	10	0.98
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	10	0.98
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	10	0.98
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	1	0.98
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	1	0.98
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	1	0.98
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	1	0.98
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	1	0.98
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	1	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	1	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	1	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	1	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	4	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	4	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	4	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	12	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	12	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	12	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	13	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	13	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	13	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	15	0.98
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	15	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	10	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	10	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	10	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	13	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	13	0.98
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	13	0.98
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	1	0.98
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	15	0.98
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	17	0.98
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	20	0.98
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	20	0.98
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	20	0.98
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	2	0.98
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	2	0.98
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	14	0.98
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	14	0.98
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	9	0.98
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	9	0.98
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	9	0.98
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	9	0.98
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	2	0.98
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	6	0.98
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	4	0.98
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	20	0.98
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	9	0.98
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	9	0.98
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	9	0.98
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	3	0.98
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	1	0.98
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	18	0.98
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	8	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	8	0.98
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	8	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	8	0.98
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	13	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	13	0.98
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	13	0.98
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	13	0.98
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	15	0.98
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	15	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	16	0.98
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	16	0.98
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	6	0.98
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	17	0.98
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	6	0.98
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	11	0.98
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	20	0.98
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	12	0.98
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	12	0.98
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	12	0.98
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	12	0.98
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	10	0.98
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	10	0.98
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	10	0.98
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	7	0.98
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	9	0.98
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	5	0.98
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	5	0.98
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	5	0.98
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	4	0.98
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	5	0.98
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	5	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	2	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	2	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	12	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	12	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	16	0.98
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	16	0.98
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	8	0.98
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	8	0.98
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	8	0.98
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	4	0.98
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	4	0.98
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	3	0.98
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	3	0.98
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	3	0.98
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	6	0.98
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	6	0.98
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	16	0.98
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	16	0.98
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	16	0.98
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	2	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	12	0.98
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	11	0.98
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	8	0.98
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	8	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	5	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	5	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	5	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	8	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	8	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	8	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	10	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	10	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	10	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	11	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	11	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	11	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	16	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	16	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	16	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	19	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	19	0.98
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	19	0.98
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	11	0.98
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	20	0.98
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	20	0.98
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	4	0.98
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	9	0.98
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	17	0.98
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	17	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	1	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	1	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	3	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	3	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	13	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	13	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	20	0.98
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	20	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	1	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	1	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	5	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	5	0.98
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	18	0.98
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	6	0.98
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	6	0.98
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	9	0.98
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	9	0.98
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	13	0.98
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	13	0.98
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	9	0.98
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	10	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	10	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	10	0.98
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	15	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	15	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	15	0.98
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	17	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	17	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	17	0.98
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	18	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	18	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	18	0.98
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	19	0.98
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	19	0.98
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	19	0.98
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	10	0.98
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	20	0.98
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	13	0.98
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	14	0.98
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	14	0.98
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	7	0.98
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	7	0.98
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	7	0.98
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	8	0.98
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	8	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	9	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	9	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	9	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	16	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	16	0.98
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	16	0.98
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	14	0.98
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	11	0.98
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	11	0.98
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	4	0.98
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	6	0.98
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	7	0.98
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	8	0.98
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	9	0.98
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	2	0.98
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	4	0.98
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	10	0.98
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	11	0.98
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	11	0.98
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	11	0.98
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	11	0.98
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	20	0.98
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	20	0.98
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	10	0.98
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	10	0.98
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	10	0.98
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	10	0.98
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	10	0.98
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	10	0.98
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	10	0.98
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	13	0.98
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	13	0.98
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	13	0.98
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	11	0.98
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	1	0.98
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	1	0.98
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	1	0.98
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	16	0.98
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	16	0.98
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	16	0.98
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	16	0.98
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	16	0.98
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	16	0.98
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	3	0.98
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	9	0.98
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD2	2	0.98
(1,711)	1:92:A:ARG:HA	1:92:A:ARG:HD3	2	0.98
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	6	0.98
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	6	0.98
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	8	0.98
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	15	0.98
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	15	0.98
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	20	0.98
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	20	0.98
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	20	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	6	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	6	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	6	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	11	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	11	0.98
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	11	0.98
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	8	0.98
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	8	0.98
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	8	0.98
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	8	0.98
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	8	0.98
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	8	0.98
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	16	0.98
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	16	0.98
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	16	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	2	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	2	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	2	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	18	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	18	0.98
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	18	0.98
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	16	0.98
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	20	0.98
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	20	0.98
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	20	0.98
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	10	0.98
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	10	0.98
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	17	0.98
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	17	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	13	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	13	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	13	0.98
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	13	0.98
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	10	0.98
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	10	0.98
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	10	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG12	9	0.98
(1,445)	1:42:A:MET:HE1	1:61:A:ILE:HG13	9	0.98
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG12	9	0.98
(1,445)	1:42:A:MET:HE2	1:61:A:ILE:HG13	9	0.98
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG12	9	0.98
(1,445)	1:42:A:MET:HE3	1:61:A:ILE:HG13	9	0.98
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	12	0.98
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	12	0.98
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	12	0.98
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	12	0.98
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	12	0.98
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	12	0.98
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	16	0.98
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	16	0.98
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	16	0.98
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB2	17	0.98
(1,420)	1:48:A:LEU:H	1:48:A:LEU:HB3	17	0.98
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	8	0.98
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	8	0.98
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	8	0.98
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	8	0.98
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	8	0.98
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	8	0.98
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	8	0.98
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	8	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	15	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	15	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	15	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	15	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	15	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	15	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	15	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	15	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	15	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	17	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	17	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	17	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	17	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	17	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	17	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	17	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	17	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	17	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	19	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	19	0.98
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	19	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	19	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	19	0.98
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	19	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	19	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	19	0.98
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	19	0.98
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	10	0.98
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	10	0.98
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	10	0.98
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	12	0.98
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	13	0.98
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB2	11	0.98
(1,278)	1:111:A:LYS:H	1:111:A:LYS:HB3	11	0.98
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	18	0.98
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	18	0.98
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	18	0.98
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	18	0.98
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	18	0.98
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	18	0.98
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	8	0.98
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	8	0.98
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	8	0.98
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	8	0.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG21	14	0.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG22	14	0.98
(1,181)	1:120:A:ILE:HG21	1:234:A:ILE:HG23	14	0.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG21	14	0.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG22	14	0.98
(1,181)	1:120:A:ILE:HG22	1:234:A:ILE:HG23	14	0.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG21	14	0.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG22	14	0.98
(1,181)	1:120:A:ILE:HG23	1:234:A:ILE:HG23	14	0.98
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	16	0.98
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	18	0.98
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	18	0.98
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	18	0.98
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	18	0.98
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	16	0.98
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	19	0.98
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	19	0.98
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	19	0.98
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB2	19	0.98
(1,54)	1:45:A:PHE:HE1	1:204:A:HIS:HB3	19	0.98
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB2	19	0.98
(1,54)	1:45:A:PHE:HE2	1:204:A:HIS:HB3	19	0.98
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	2	0.98
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	2	0.98
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	13	0.98
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	13	0.98
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	20	0.98
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	20	0.98
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	10	0.98
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	10	0.98
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	15	0.98
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	15	0.98
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	11	0.98
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	10	0.97
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	10	0.97
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	10	0.97
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	1	0.97
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	1	0.97
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	1	0.97
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	1	0.97
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	1	0.97
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	1	0.97
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	5	0.97
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	5	0.97
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	5	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	18	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	18	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	18	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	18	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	18	0.97
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	17	0.97
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	17	0.97
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	17	0.97
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	16	0.97
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	16	0.97
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	16	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	8	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	8	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	14	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	14	0.97
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	14	0.97
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	16	0.97
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	16	0.97
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	16	0.97
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	13	0.97
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	13	0.97
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	13	0.97
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	10	0.97
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	10	0.97
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	10	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	2	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	2	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	2	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	2	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	2	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	2	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	2	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	2	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	2	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	5	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	5	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	5	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	5	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	5	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	5	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	5	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	5	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	5	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	8	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	8	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	8	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	8	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	8	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	8	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	8	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	8	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	12	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	12	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	12	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	12	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	12	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	12	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	12	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	12	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	12	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	14	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	14	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	14	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	14	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	14	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	14	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	14	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	14	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	14	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	19	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	19	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	19	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	19	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	19	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	19	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	19	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	19	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	19	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	20	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	20	0.97
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	20	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	20	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	20	0.97
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	20	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	20	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	20	0.97
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	9	0.97
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	9	0.97
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	9	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	18	0.97
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	18	0.97
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	18	0.97
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	18	0.97
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	9	0.97
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	9	0.97
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	9	0.97
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	4	0.97
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	4	0.97
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	4	0.97
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	12	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	12	0.97
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	12	0.97
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	12	0.97
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	9	0.97
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	9	0.97
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	9	0.97
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	6	0.97
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	6	0.97
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	6	0.97
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	17	0.97
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	17	0.97
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	17	0.97
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	17	0.97
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	17	0.97
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	17	0.97
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	17	0.97
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	17	0.97
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	17	0.97
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	19	0.97
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	19	0.97
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	19	0.97
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	14	0.97
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	14	0.97
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	14	0.97
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	14	0.97
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	14	0.97
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	5	0.97
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	5	0.97
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	5	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	5	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	5	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	5	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	5	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	5	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	5	0.97
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	11	0.97
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	11	0.97
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	11	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	11	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	11	0.97
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	11	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	11	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	11	0.97
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	11	0.97
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	15	0.97
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	15	0.97
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	15	0.97
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	15	0.97
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	15	0.97
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	15	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	6	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	6	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	6	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	7	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	7	0.97
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	7	0.97
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	18	0.97
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	18	0.97
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	18	0.97
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	18	0.97
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	18	0.97
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	18	0.97
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	18	0.97
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	18	0.97
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	18	0.97
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	3	0.97
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	3	0.97
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	3	0.97
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	3	0.97
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	3	0.97
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	7	0.97
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	7	0.97
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	7	0.97
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	20	0.97
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	20	0.97
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	20	0.97
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	7	0.97
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	9	0.97
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	18	0.97
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	12	0.97
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	12	0.97
(1,1783)	1:12:A:TRP:HB2	1:13:A:GLU:H	13	0.97
(1,1783)	1:12:A:TRP:HB3	1:13:A:GLU:H	13	0.97
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	6	0.97
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	6	0.97
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	5	0.97
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	8	0.97
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	18	0.97
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	18	0.97
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	18	0.97
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	16	0.97
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	12	0.97
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	12	0.97
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	12	0.97
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG2	9	0.97
(1,1677)	1:44:A:LYS:H	1:44:A:LYS:HG3	9	0.97
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	9	0.97
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	9	0.97
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	4	0.97
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	4	0.97
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	20	0.97
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	20	0.97
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	14	0.97
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	14	0.97
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	14	0.97
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	14	0.97
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	12	0.97
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	17	0.97
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	17	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	16	0.97
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB2	18	0.97
(1,1620)	1:17:A:ASP:H	1:17:A:ASP:HB3	18	0.97
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	1	0.97
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	3	0.97
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	7	0.97
(1,1587)	1:231:A:ILE:H	1:231:A:ILE:HB	19	0.97
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	19	0.97
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	19	0.97
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	20	0.97
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	10	0.97
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	10	0.97
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	10	0.97
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	10	0.97
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	12	0.97
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	1	0.97
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	1	0.97
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	1	0.97
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	17	0.97
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	17	0.97
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	4	0.97
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	4	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	1	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	1	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	1	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	2	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	2	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	2	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	6	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	6	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	6	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	7	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	7	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	7	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	9	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	9	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	9	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	12	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	12	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	12	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	13	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	13	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	13	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	14	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	14	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	14	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	15	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	15	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	15	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	19	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	19	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	19	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	20	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	20	0.97
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	20	0.97
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB2	19	0.97
(1,1484)	1:175:A:ASP:H	1:175:A:ASP:HB3	19	0.97
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	4	0.97
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	4	0.97
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	4	0.97
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	14	0.97
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	14	0.97
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	1	0.97
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	1	0.97
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	1	0.97
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	10	0.97
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	16	0.97
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	1	0.97
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	1	0.97
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	9	0.97
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	9	0.97
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	20	0.97
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	20	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	4	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	4	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	4	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB1	12	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB2	12	0.97
(1,1414)	1:139:A:ALA:H	1:139:A:ALA:HB3	12	0.97
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	3	0.97
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	20	0.97
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	6	0.97
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	6	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	8	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	9	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	9	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	16	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	16	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	17	0.97
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	17	0.97
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	7	0.97
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	16	0.97
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	17	0.97
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	13	0.97
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	13	0.97
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	19	0.97
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	19	0.97
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	20	0.97
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	20	0.97
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	6	0.97
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	10	0.97
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	10	0.97
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	13	0.97
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	3	0.97
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	3	0.97
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	4	0.97
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	4	0.97
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	6	0.97
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	6	0.97
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	6	0.97
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	2	0.97
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	2	0.97
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	2	0.97
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	7	0.97
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	7	0.97
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	7	0.97
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	16	0.97
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	16	0.97
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	16	0.97
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	17	0.97
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	17	0.97
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	17	0.97
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	6	0.97
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	11	0.97
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	14	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	19	0.97
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	17	0.97
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	2	0.97
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	2	0.97
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	3	0.97
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	12	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	19	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	19	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	19	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	20	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	20	0.97
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	20	0.97
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	6	0.97
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	6	0.97
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	6	0.97
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	6	0.97
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	6	0.97
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	6	0.97
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	11	0.97
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	7	0.97
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	7	0.97
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	1	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	17	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	17	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	17	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	19	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	19	0.97
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	19	0.97
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	3	0.97
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	13	0.97
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	19	0.97
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	14	0.97
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	16	0.97
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	14	0.97
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	14	0.97
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	10	0.97
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	10	0.97
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	4	0.97
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	4	0.97
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	18	0.97
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	18	0.97
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	18	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	1	0.97
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	12	0.97
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	19	0.97
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	19	0.97
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	19	0.97
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	19	0.97
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	19	0.97
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	19	0.97
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	7	0.97
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	6	0.97
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	6	0.97
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	6	0.97
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	8	0.97
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	8	0.97
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	8	0.97
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	8	0.97
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	8	0.97
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	8	0.97
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	14	0.97
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	14	0.97
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	14	0.97
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	8	0.97
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	8	0.97
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	18	0.97
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	18	0.97
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	18	0.97
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	4	0.97
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	5	0.97
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	6	0.97
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	7	0.97
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	7	0.97
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	7	0.97
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	6	0.97
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	6	0.97
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	6	0.97
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	6	0.97
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	10	0.97
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	10	0.97
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	10	0.97
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	9	0.97
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	9	0.97
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	4	0.97
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	4	0.97
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	6	0.97
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	6	0.97
(1,526)	1:192:A:ALA:HA	1:196:A:LEU:H	4	0.97
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	2	0.97
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	2	0.97
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	7	0.97
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	7	0.97
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	7	0.97
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	7	0.97
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	6	0.97
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	6	0.97
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	6	0.97
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	19	0.97
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	19	0.97
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	19	0.97
(1,448)	1:115:A:MET:HE1	1:226:A:LEU:H	9	0.97
(1,448)	1:115:A:MET:HE2	1:226:A:LEU:H	9	0.97
(1,448)	1:115:A:MET:HE3	1:226:A:LEU:H	9	0.97
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	8	0.97
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	8	0.97
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	8	0.97
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	8	0.97
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	8	0.97
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	8	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	2	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	2	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	2	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	5	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	5	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	5	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	7	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	7	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	7	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	18	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	18	0.97
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	18	0.97
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	1	0.97
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	1	0.97
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	1	0.97
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	1	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	10	0.97
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	10	0.97
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	10	0.97
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	10	0.97
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	10	0.97
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	10	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	1	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	1	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	1	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	1	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	1	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	1	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	11	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	11	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	11	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	11	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	11	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	11	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	16	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	16	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	16	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	16	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	16	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	16	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	18	0.97
(1,356)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	18	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	18	0.97
(1,356)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	18	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	18	0.97
(1,356)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	18	0.97
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	2	0.97
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	2	0.97
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	2	0.97
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	2	0.97
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	2	0.97
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	2	0.97
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	2	0.97
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	2	0.97
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	2	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	3	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	3	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	3	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	3	0.97
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	3	0.97
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	3	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	3	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	3	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	3	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	14	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	14	0.97
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	14	0.97
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	14	0.97
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	14	0.97
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	14	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	14	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	14	0.97
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	14	0.97
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	17	0.97
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	17	0.97
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	17	0.97
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	15	0.97
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	15	0.97
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	15	0.97
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	15	0.97
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	3	0.97
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	3	0.97
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	3	0.97
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	3	0.97
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	3	0.97
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	3	0.97
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	8	0.97
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	8	0.97
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	17	0.97
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	17	0.97
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	11	0.97
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	9	0.97
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	9	0.97
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	9	0.97
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE1	7	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE2	7	0.97
(1,153)	1:19:A:LEU:H	1:62:A:MET:HE3	7	0.97
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	9	0.97
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	14	0.97
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	11	0.97
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	17	0.97
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	11	0.97
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	11	0.97
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	11	0.97
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	11	0.97
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	17	0.97
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	17	0.97
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	4	0.97
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	4	0.97
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	6	0.97
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	6	0.97
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	17	0.97
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	17	0.97
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD11	9	0.97
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD12	9	0.97
(1,17)	1:116:A:TRP:HE3	1:234:A:ILE:HD13	9	0.97
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	11	0.96
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	4	0.96
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	10	0.96
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	16	0.96
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	16	0.96
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	16	0.96
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	16	0.96
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	16	0.96
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	16	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	6	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	6	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	6	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	6	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	6	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	12	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	12	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	12	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	12	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	12	0.96
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	12	0.96
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	13	0.96
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	13	0.96
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	13	0.96
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	18	0.96
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	18	0.96
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	18	0.96
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	18	0.96
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	18	0.96
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	18	0.96
(1,2156)	1:54:A:LEU:HD11	1:55:A:ASN:H	17	0.96
(1,2156)	1:54:A:LEU:HD12	1:55:A:ASN:H	17	0.96
(1,2156)	1:54:A:LEU:HD13	1:55:A:ASN:H	17	0.96
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	8	0.96
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	8	0.96
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	8	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	9	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	9	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	9	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	16	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	16	0.96
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	16	0.96
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	19	0.96
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	19	0.96
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	19	0.96
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	19	0.96
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	19	0.96
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	19	0.96
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	19	0.96
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	19	0.96
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	19	0.96
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	19	0.96
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	19	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	15	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	15	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	15	0.96
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	15	0.96
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	15	0.96
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	15	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	15	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	15	0.96
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	15	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	3	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	3	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	3	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	3	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	3	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	3	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	3	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	3	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	3	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	7	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	7	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	7	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	7	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	7	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	7	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	7	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	7	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	7	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	15	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	15	0.96
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	15	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	15	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	15	0.96
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	15	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	15	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	15	0.96
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	15	0.96
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	18	0.96
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	18	0.96
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	18	0.96
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	20	0.96
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	20	0.96
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	11	0.96
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	11	0.96
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	11	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	11	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	11	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	20	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	20	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	20	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	20	0.96
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	20	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	4	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	4	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	4	0.96
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	4	0.96
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	4	0.96
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	4	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	4	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	4	0.96
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	4	0.96
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	19	0.96
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	19	0.96
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	19	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	13	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	13	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	13	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	20	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	20	0.96
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	20	0.96
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	15	0.96
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	15	0.96
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	15	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	18	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	18	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	18	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	18	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	18	0.96
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	18	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	2	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	2	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	2	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	2	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	2	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	2	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	2	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	2	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	2	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	5	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	5	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	5	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	5	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	5	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	5	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	5	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	5	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	5	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	12	0.96
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	12	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	12	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	12	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	12	0.96
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	12	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	12	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	12	0.96
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	12	0.96
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	12	0.96
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	12	0.96
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	12	0.96
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD11	15	0.96
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD12	15	0.96
(1,1932)	1:104:A:THR:HA	1:108:A:LEU:HD13	15	0.96
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	9	0.96
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	9	0.96
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	9	0.96
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	9	0.96
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	9	0.96
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	9	0.96
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	5	0.96
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	5	0.96
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	5	0.96
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	5	0.96
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	5	0.96
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	5	0.96
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	5	0.96
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	5	0.96
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	5	0.96
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	13	0.96
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	13	0.96
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	13	0.96
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	6	0.96
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	6	0.96
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	6	0.96
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	15	0.96
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	15	0.96
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	15	0.96
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	14	0.96
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	14	0.96
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	14	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	1	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	1	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	1	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	1	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	1	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	1	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	1	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	1	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	1	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	6	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	6	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	6	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	6	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	6	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	6	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	6	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	6	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	6	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	8	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	8	0.96
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	8	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	8	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	8	0.96
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	8	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	8	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	8	0.96
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	8	0.96
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	7	0.96
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	7	0.96
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	7	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	7	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	7	0.96
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	7	0.96
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	7	0.96
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	7	0.96
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	7	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	10	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	10	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	10	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	16	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	16	0.96
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	16	0.96
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	16	0.96
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	16	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	16	0.96
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	2	0.96
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	3	0.96
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	6	0.96
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	8	0.96
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	5	0.96
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	5	0.96
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	5	0.96
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	5	0.96
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	17	0.96
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	17	0.96
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	17	0.96
(1,1717)	1:66:A:ARG:H	1:156:A:LEU:HB2	12	0.96
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	9	0.96
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	5	0.96
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	5	0.96
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	5	0.96
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	7	0.96
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	7	0.96
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	7	0.96
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	10	0.96
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	10	0.96
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	17	0.96
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	10	0.96
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	10	0.96
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	16	0.96
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	16	0.96
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	3	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	6	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	6	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	7	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	7	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	10	0.96
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	10	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	2	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	2	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	2	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	2	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	7	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	7	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	7	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	16	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	16	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	16	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	16	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	18	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	18	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	18	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	18	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	20	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	20	0.96
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	20	0.96
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	20	0.96
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	3	0.96
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	2	0.96
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	2	0.96
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	20	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	3	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	3	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	3	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	3	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	4	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	4	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	4	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	4	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	8	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	8	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	8	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	8	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	12	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	12	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	12	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	12	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	14	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	14	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	14	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	14	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	18	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	18	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	18	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	18	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	19	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	19	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	19	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	20	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	20	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	20	0.96
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	20	0.96
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	8	0.96
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	13	0.96
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	14	0.96
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	14	0.96
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	18	0.96
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	18	0.96
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	2	0.96
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	17	0.96
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	17	0.96
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	17	0.96
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	5	0.96
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	5	0.96
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	5	0.96
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	5	0.96
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	6	0.96
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	6	0.96
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	6	0.96
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	6	0.96
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	1	0.96
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	1	0.96
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	1	0.96
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	17	0.96
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	17	0.96
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	17	0.96
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	18	0.96
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	9	0.96
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	9	0.96
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	9	0.96
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	14	0.96
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	14	0.96
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	14	0.96
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	6	0.96
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	6	0.96
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	6	0.96
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	6	0.96
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	6	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	15	0.96
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	15	0.96
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	19	0.96
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	19	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	5	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	5	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	5	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	10	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	10	0.96
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	10	0.96
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	8	0.96
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	8	0.96
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	8	0.96
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	9	0.96
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	9	0.96
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	3	0.96
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	3	0.96
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	5	0.96
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	5	0.96
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	5	0.96
(1,1458)	1:162:A:PRO:HA	1:163:A:GLY:H	19	0.96
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	10	0.96
(1,1454)	1:160:A:PHE:HA	1:161:A:ALA:H	17	0.96
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	2	0.96
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	2	0.96
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	20	0.96
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	20	0.96
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	6	0.96
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	6	0.96
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	15	0.96
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	15	0.96
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	15	0.96
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	15	0.96
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	4	0.96
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	4	0.96
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	11	0.96
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	11	0.96
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	2	0.96
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	6	0.96
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	16	0.96
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	16	0.96
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	17	0.96
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	7	0.96
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	7	0.96
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	4	0.96
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	4	0.96
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	13	0.96
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	13	0.96
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	15	0.96
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	15	0.96
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	19	0.96
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	8	0.96
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	8	0.96
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	1	0.96
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	1	0.96
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	1	0.96
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	3	0.96
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	3	0.96
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	3	0.96
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	9	0.96
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	9	0.96
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	9	0.96
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	11	0.96
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	11	0.96
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	11	0.96
(1,1234)	1:139:A:ALA:HB1	1:140:A:ARG:H	13	0.96
(1,1234)	1:139:A:ALA:HB2	1:140:A:ARG:H	13	0.96
(1,1234)	1:139:A:ALA:HB3	1:140:A:ARG:H	13	0.96
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	17	0.96
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	17	0.96
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	17	0.96
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	17	0.96
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	19	0.96
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	13	0.96
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	13	0.96
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	13	0.96
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	13	0.96
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	18	0.96
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	18	0.96
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD11	1	0.96
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD12	1	0.96
(1,1061)	1:136:A:ILE:H	1:136:A:ILE:HD13	1	0.96
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	8	0.96
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	8	0.96
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	10	0.96
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	20	0.96
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	20	0.96
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	6	0.96
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	6	0.96
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	11	0.96
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	19	0.96
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	19	0.96
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	18	0.96
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	18	0.96
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	18	0.96
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	18	0.96
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	18	0.96
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	18	0.96
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	7	0.96
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	7	0.96
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	7	0.96
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	7	0.96
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	7	0.96
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	7	0.96
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	8	0.96
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	8	0.96
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	11	0.96
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	11	0.96
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	15	0.96
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	15	0.96
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	15	0.96
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	10	0.96
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	10	0.96
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	10	0.96
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	18	0.96
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	18	0.96
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	18	0.96
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	18	0.96
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	18	0.96
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	18	0.96
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	7	0.96
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	7	0.96
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	7	0.96
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	7	0.96
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	7	0.96
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	2	0.96
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	2	0.96
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	2	0.96
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	4	0.96
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	4	0.96
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	4	0.96
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	5	0.96
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	5	0.96
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	5	0.96
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	20	0.96
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	20	0.96
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	20	0.96
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	16	0.96
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	11	0.96
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	11	0.96
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	11	0.96
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	11	0.96
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	11	0.96
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	11	0.96
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	7	0.96
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE1	8	0.96
(1,725)	1:97:A:THR:HG21	1:188:A:PHE:HE2	8	0.96
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE1	8	0.96
(1,725)	1:97:A:THR:HG22	1:188:A:PHE:HE2	8	0.96
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE1	8	0.96
(1,725)	1:97:A:THR:HG23	1:188:A:PHE:HE2	8	0.96
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	6	0.96
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	6	0.96
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	4	0.96
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	4	0.96
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	4	0.96
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	4	0.96
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	4	0.96
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	4	0.96
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	15	0.96
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	7	0.96
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	7	0.96
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	7	0.96
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	7	0.96
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	17	0.96
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	17	0.96
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	20	0.96
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	20	0.96
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	20	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	1	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	1	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	1	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	16	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	16	0.96
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	16	0.96
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	2	0.96
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	17	0.96
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	17	0.96
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	17	0.96
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	17	0.96
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	17	0.96
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	17	0.96
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	17	0.96
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	17	0.96
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	20	0.96
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	20	0.96
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	20	0.96
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	1	0.96
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	1	0.96
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	12	0.96
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	5	0.96
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	5	0.96
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	5	0.96
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	5	0.96
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	5	0.96
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	5	0.96
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	14	0.96
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	14	0.96
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	7	0.96
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	10	0.96
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	17	0.96
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	17	0.96
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG2	17	0.96
(1,506)	1:42:A:MET:HA	1:42:A:MET:HG3	17	0.96
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	18	0.96
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	2	0.96
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	2	0.96
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	2	0.96
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	17	0.96
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	17	0.96
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	17	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	18	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	18	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	18	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	18	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	18	0.96
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	18	0.96
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	12	0.96
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	12	0.96
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	12	0.96
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	13	0.96
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	13	0.96
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	13	0.96
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	4	0.96
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	20	0.96
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	9	0.96
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	9	0.96
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	9	0.96
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	10	0.96
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	10	0.96
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	10	0.96
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	10	0.96
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	12	0.96
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	12	0.96
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	12	0.96
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	12	0.96
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	12	0.96
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	12	0.96
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	5	0.96
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	10	0.96
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD11	18	0.96
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD12	18	0.96
(1,341)	1:134:A:ILE:HG21	1:134:A:ILE:HD13	18	0.96
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD11	18	0.96
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD12	18	0.96
(1,341)	1:134:A:ILE:HG22	1:134:A:ILE:HD13	18	0.96
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD11	18	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD12	18	0.96
(1,341)	1:134:A:ILE:HG23	1:134:A:ILE:HD13	18	0.96
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	18	0.96
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	18	0.96
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	18	0.96
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	18	0.96
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	18	0.96
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	18	0.96
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	18	0.96
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	18	0.96
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	18	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	16	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	16	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	16	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	16	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	16	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	16	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	18	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	18	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	18	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	18	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	18	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	18	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	19	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	19	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	19	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	19	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	19	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	19	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	20	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	20	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	20	0.96
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	20	0.96
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	20	0.96
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	20	0.96
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	11	0.96
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	11	0.96
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	11	0.96
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	11	0.96
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	11	0.96
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	11	0.96
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	14	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	6	0.96
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	6	0.96
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	6	0.96
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	6	0.96
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	6	0.96
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	6	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	5	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	5	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	5	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	5	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	5	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	5	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	13	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	13	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	13	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	13	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	13	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	13	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	17	0.96
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	17	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	17	0.96
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	17	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	17	0.96
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	17	0.96
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	8	0.96
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	8	0.96
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	8	0.96
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	8	0.96
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	8	0.96
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	8	0.96
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	8	0.96
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	8	0.96
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	8	0.96
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	8	0.96
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	8	0.96
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	8	0.96
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	19	0.96
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	19	0.96
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	15	0.96
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	15	0.96
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	15	0.96
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	15	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	15	0.96
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	15	0.96
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	15	0.96
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	15	0.96
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	15	0.96
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	8	0.96
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	8	0.96
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	8	0.96
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	7	0.96
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	7	0.96
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	7	0.96
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	17	0.96
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	17	0.96
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	17	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	2	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	2	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	2	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	2	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	2	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	2	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	17	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	17	0.96
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	17	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	17	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	17	0.96
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	17	0.96
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	16	0.96
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	18	0.96
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	17	0.96
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	5	0.96
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	11	0.96
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	11	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	1	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	1	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	1	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	1	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	3	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	3	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	3	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	3	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	17	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	17	0.96
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	17	0.96
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	17	0.96
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	17	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	6	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	6	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	9	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	9	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	15	0.96
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	15	0.96
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	2	0.96
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	2	0.96
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	2	0.96
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	5	0.95
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	8	0.95
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	14	0.95
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	14	0.95
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	14	0.95
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	14	0.95
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	14	0.95
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	14	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	19	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	19	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	19	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	19	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	19	0.95
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	19	0.95
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	11	0.95
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	11	0.95
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	11	0.95
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	6	0.95
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	6	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	6	0.95
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	9	0.95
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	9	0.95
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	9	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	7	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	7	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	7	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	7	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	7	0.95
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	7	0.95
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	11	0.95
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	11	0.95
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	11	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	7	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	7	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	7	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	7	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	7	0.95
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	7	0.95
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	11	0.95
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	11	0.95
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	11	0.95
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	11	0.95
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	11	0.95
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	11	0.95
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	14	0.95
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	14	0.95
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	14	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	3	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	3	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	6	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	6	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	6	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	6	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	6	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	6	0.95
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	6	0.95
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	6	0.95
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	6	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	11	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	11	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	11	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	14	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	14	0.95
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	14	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	9	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	9	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	9	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	9	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	9	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	9	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	9	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	9	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	10	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	10	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	10	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	10	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	10	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	10	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	10	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	10	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	10	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	11	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	11	0.95
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	11	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	11	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	11	0.95
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	11	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	11	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	11	0.95
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	11	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	10	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	10	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	10	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	10	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	19	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	19	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	19	0.95
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	19	0.95
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	15	0.95
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	15	0.95
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	15	0.95
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	5	0.95
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	5	0.95
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	5	0.95
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	5	0.95
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	5	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	13	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	13	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	13	0.95
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	13	0.95
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	13	0.95
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	13	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	13	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	13	0.95
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	13	0.95
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	3	0.95
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	3	0.95
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	3	0.95
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	3	0.95
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	3	0.95
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	3	0.95
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	3	0.95
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	3	0.95
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	3	0.95
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	3	0.95
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	3	0.95
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	3	0.95
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	3	0.95
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	3	0.95
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	3	0.95
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	3	0.95
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	3	0.95
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	3	0.95
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD11	5	0.95
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD12	5	0.95
(1,1972)	1:48:A:LEU:H	1:48:A:LEU:HD13	5	0.95
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	14	0.95
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	14	0.95
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	14	0.95
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	14	0.95
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	14	0.95
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	14	0.95
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	14	0.95
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	14	0.95
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	14	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	7	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	7	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	7	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	7	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	7	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	7	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	7	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	7	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	7	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	18	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	18	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	18	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	18	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	18	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	18	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	18	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	18	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	18	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	20	0.95
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	20	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	20	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	20	0.95
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	20	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	20	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	20	0.95
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	20	0.95
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	10	0.95
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	10	0.95
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	10	0.95
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	16	0.95
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	16	0.95
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	16	0.95
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	16	0.95
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	16	0.95
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	16	0.95
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	18	0.95
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	18	0.95
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	18	0.95
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	18	0.95
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	18	0.95
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	18	0.95
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	18	0.95
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	18	0.95
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	18	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	5	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	5	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	5	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	12	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	12	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	12	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	16	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	16	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	16	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	18	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	18	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	18	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	19	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	19	0.95
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	19	0.95
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	12	0.95
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	12	0.95
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	3	0.95
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	3	0.95
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	3	0.95
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	3	0.95
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	3	0.95
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	3	0.95
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	3	0.95
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	3	0.95
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	3	0.95
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD21	16	0.95
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD22	16	0.95
(1,1882)	1:84:A:TRP:HD1	1:200:A:LEU:HD23	16	0.95
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	4	0.95
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	4	0.95
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	4	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	17	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	17	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	17	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	19	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	19	0.95
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	19	0.95
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD11	15	0.95
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD12	15	0.95
(1,1843)	1:113:A:LEU:HB3	1:113:A:LEU:HD13	15	0.95
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	17	0.95
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	17	0.95
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	17	0.95
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	17	0.95
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	17	0.95
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	17	0.95
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	17	0.95
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	17	0.95
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	17	0.95
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	2	0.95
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	2	0.95
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	2	0.95
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	2	0.95
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	2	0.95
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	2	0.95
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	2	0.95
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	2	0.95
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	12	0.95
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	12	0.95
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	12	0.95
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	12	0.95
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	12	0.95
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	12	0.95
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG11	1	0.95
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG12	1	0.95
(1,1825)	1:90:A:THR:HB	1:127:A:VAL:HG13	1	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	5	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	5	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	5	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	14	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	14	0.95
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	14	0.95
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	10	0.95
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	16	0.95
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	19	0.95
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	8	0.95
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	11	0.95
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	11	0.95
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	11	0.95
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	14	0.95
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	14	0.95
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	14	0.95
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	15	0.95
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	15	0.95
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	15	0.95
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	15	0.95
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	5	0.95
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	15	0.95
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	15	0.95
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	15	0.95
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	17	0.95
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	17	0.95
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	4	0.95
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	4	0.95
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	4	0.95
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	5	0.95
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	5	0.95
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	8	0.95
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	8	0.95
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	1	0.95
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	1	0.95
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	13	0.95
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	13	0.95
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	19	0.95
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	19	0.95
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	19	0.95
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	19	0.95
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	14	0.95
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	18	0.95
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	18	0.95
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	7	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	7	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	7	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	7	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	7	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	10	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	10	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	10	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	10	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	15	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	15	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	15	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	15	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	16	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	16	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	16	0.95
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	16	0.95
(1,1593)	1:231:A:ILE:HB	1:232:A:LYS:H	14	0.95
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	15	0.95
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	15	0.95
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	9	0.95
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	9	0.95
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	19	0.95
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	19	0.95
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	19	0.95
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	19	0.95
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	4	0.95
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	15	0.95
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	18	0.95
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	18	0.95
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	3	0.95
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB2	16	0.95
(1,1509)	1:184:A:LEU:H	1:184:A:LEU:HB3	16	0.95
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	6	0.95
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	9	0.95
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	9	0.95
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	4	0.95
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	4	0.95
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	4	0.95
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	9	0.95
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	9	0.95
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	9	0.95
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	5	0.95
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	5	0.95
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	5	0.95
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	18	0.95
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	12	0.95
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	9	0.95
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	4	0.95
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	4	0.95
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	10	0.95
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	10	0.95
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	15	0.95
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	15	0.95
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	16	0.95
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	16	0.95
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	19	0.95
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	19	0.95
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	1	0.95
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	1	0.95
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	14	0.95
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	14	0.95
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	6	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	10	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	10	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	15	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	15	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	18	0.95
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	18	0.95
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	5	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	5	0.95
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	12	0.95
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	1	0.95
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	4	0.95
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	10	0.95
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	13	0.95
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	16	0.95
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	2	0.95
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	2	0.95
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	9	0.95
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	9	0.95
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	9	0.95
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	9	0.95
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	16	0.95
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	16	0.95
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	2	0.95
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	5	0.95
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	7	0.95
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	12	0.95
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	4	0.95
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	4	0.95
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	6	0.95
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	6	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	2	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	2	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	2	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	2	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	16	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	16	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	16	0.95
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	16	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	5	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	5	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	5	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	6	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	6	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	6	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	8	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	8	0.95
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	8	0.95
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	2	0.95
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	4	0.95
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	4	0.95
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	4	0.95
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	15	0.95
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	17	0.95
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	17	0.95
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	17	0.95
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	3	0.95
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	3	0.95
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	3	0.95
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	3	0.95
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	3	0.95
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	3	0.95
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	18	0.95
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	18	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	9	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	9	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	9	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	17	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	17	0.95
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	17	0.95
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	5	0.95
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	5	0.95
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	5	0.95
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	5	0.95
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	5	0.95
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	5	0.95
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	2	0.95
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	2	0.95
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	2	0.95
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	2	0.95
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	2	0.95
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	2	0.95
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	17	0.95
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	17	0.95
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	17	0.95
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	10	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	10	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	10	0.95
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	15	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	15	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	17	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	17	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	17	0.95
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	18	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	18	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	18	0.95
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	19	0.95
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	19	0.95
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	19	0.95
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	8	0.95
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	13	0.95
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	13	0.95
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	13	0.95
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	13	0.95
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	13	0.95
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	13	0.95
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD11	8	0.95
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD12	8	0.95
(1,703)	1:83:A:LYS:HE2	1:234:A:ILE:HD13	8	0.95
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD11	8	0.95
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD12	8	0.95
(1,703)	1:83:A:LYS:HE3	1:234:A:ILE:HD13	8	0.95
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	15	0.95
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	15	0.95
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	15	0.95
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	7	0.95
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	10	0.95
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	17	0.95
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	9	0.95
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	9	0.95
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	11	0.95
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	11	0.95
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	11	0.95
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	11	0.95
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	11	0.95
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	11	0.95
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	8	0.95
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	8	0.95
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	8	0.95
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	11	0.95
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	11	0.95
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	14	0.95
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	14	0.95
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	14	0.95
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	16	0.95
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	16	0.95
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	16	0.95
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	17	0.95
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	17	0.95
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	17	0.95
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	12	0.95
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	12	0.95
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	12	0.95
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	11	0.95
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	13	0.95
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	13	0.95
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	13	0.95
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	13	0.95
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	13	0.95
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	13	0.95
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	13	0.95
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	13	0.95
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	12	0.95
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	12	0.95
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	12	0.95
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	12	0.95
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	12	0.95
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	12	0.95
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	12	0.95
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	12	0.95
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	12	0.95
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD11	19	0.95
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD12	19	0.95
(1,620)	1:231:A:ILE:H	1:231:A:ILE:HD13	19	0.95
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	11	0.95
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	11	0.95
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	11	0.95
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	11	0.95
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	11	0.95
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	11	0.95
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	2	0.95
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	2	0.95
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	2	0.95
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	19	0.95
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	19	0.95
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	18	0.95
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	0.95
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	0.95
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	0.95
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	15	0.95
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	15	0.95
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	15	0.95
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	2	0.95
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	13	0.95
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	13	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	4	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	4	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	4	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	13	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	13	0.95
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	13	0.95
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	5	0.95
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	5	0.95
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	5	0.95
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	5	0.95
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	7	0.95
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	7	0.95
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	7	0.95
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	7	0.95
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	7	0.95
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	7	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	1	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	1	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	1	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	19	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	19	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	19	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	0.95
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	20	0.95
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	18	0.95
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	18	0.95
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	18	0.95
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB2	2	0.95
(1,365)	1:38:A:LYS:HA	1:41:A:GLU:HB3	2	0.95
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	1	0.95
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	1	0.95
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	17	0.95
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	17	0.95
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	19	0.95
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	19	0.95
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	19	0.95
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	19	0.95
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	19	0.95
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	19	0.95
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	20	0.95
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	20	0.95
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	20	0.95
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	20	0.95
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	20	0.95
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	20	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	10	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	10	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	10	0.95
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG21	10	0.95
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG22	10	0.95
(1,339)	1:100:A:LEU:HB3	1:104:A:THR:HG23	10	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG21	10	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG22	10	0.95
(1,339)	1:100:A:LEU:HB2	1:104:A:THR:HG23	10	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	4	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	4	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	4	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	4	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	4	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	4	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	4	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	4	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	4	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	11	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	11	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	11	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	11	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	11	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	11	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	11	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	11	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	11	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	12	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	12	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	12	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	12	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	12	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	12	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	12	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	12	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	12	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	20	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	20	0.95
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	20	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	20	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	20	0.95
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	20	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	20	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	20	0.95
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	20	0.95
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	9	0.95
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	9	0.95
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	9	0.95
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	9	0.95
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	9	0.95
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	9	0.95
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	9	0.95
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	9	0.95
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	9	0.95
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	13	0.95
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	13	0.95
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	13	0.95
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	20	0.95
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	8	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	7	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	7	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	7	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	7	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	7	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	7	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	14	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	14	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	14	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	14	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	14	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	14	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	16	0.95
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	16	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	16	0.95
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	16	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	16	0.95
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	16	0.95
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	12	0.95
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	12	0.95
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	12	0.95
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	12	0.95
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	19	0.95
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	19	0.95
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	19	0.95
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	19	0.95
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	18	0.95
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	18	0.95
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	18	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	7	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	7	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	7	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	7	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	7	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	7	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	9	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	9	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	9	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	9	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	9	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	16	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	16	0.95
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	16	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	16	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	16	0.95
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	16	0.95
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	3	0.95
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	6	0.95
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	15	0.95
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	15	0.95
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	15	0.95
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	15	0.95
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	4	0.95
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	4	0.95
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	4	0.95
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	4	0.95
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	7	0.95
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	7	0.95
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	4	0.95
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	7	0.95
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	7	0.95
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	14	0.95
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	14	0.95
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	6	0.95
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	6	0.95
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	6	0.95
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	4	0.95
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	4	0.95
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	13	0.94
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	13	0.94
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	13	0.94
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	13	0.94
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	13	0.94
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	13	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	8	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	8	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	8	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	8	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	8	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	10	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	10	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	10	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	10	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	10	0.94
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	10	0.94
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	19	0.94
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	19	0.94
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	19	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG11	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG12	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG13	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG21	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG22	12	0.94
(1,2204)	1:88:A:VAL:H	1:88:A:VAL:HG23	12	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	20	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	20	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	20	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	20	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	20	0.94
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	20	0.94
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD21	4	0.94
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD22	4	0.94
(1,2138)	1:196:A:LEU:HA	1:196:A:LEU:HD23	4	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	9	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	9	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	9	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	11	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	11	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	11	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD21	13	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD22	13	0.94
(1,2131)	1:166:A:LEU:HA	1:166:A:LEU:HD23	13	0.94
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	17	0.94
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	17	0.94
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	17	0.94
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	18	0.94
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	18	0.94
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	18	0.94
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	18	0.94
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	18	0.94
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	4	0.94
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	4	0.94
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	4	0.94
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	4	0.94
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	4	0.94
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	4	0.94
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	4	0.94
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	6	0.94
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	6	0.94
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	6	0.94
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	6	0.94
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	6	0.94
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	6	0.94
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	6	0.94
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	6	0.94
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	6	0.94
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	6	0.94
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	6	0.94
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	6	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	18	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	18	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	18	0.94
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	18	0.94
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	18	0.94
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	18	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	18	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	18	0.94
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	18	0.94
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	18	0.94
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	18	0.94
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	18	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	13	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	13	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	13	0.94
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	13	0.94
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	13	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	13	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	13	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	13	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	17	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	17	0.94
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	17	0.94
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	17	0.94
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	17	0.94
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	17	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	17	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	17	0.94
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	17	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	1	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	1	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	1	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	2	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	2	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	2	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	7	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	7	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	7	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	7	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	8	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	8	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	8	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	15	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	15	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	15	0.94
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	15	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	17	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	17	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	17	0.94
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	17	0.94
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	17	0.94
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	17	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	17	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	17	0.94
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	17	0.94
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	5	0.94
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	5	0.94
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	5	0.94
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	5	0.94
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	5	0.94
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	5	0.94
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	5	0.94
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	5	0.94
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	4	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	4	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	5	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	5	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	6	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	6	0.94
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	6	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	8	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	8	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	8	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	8	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	8	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	8	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	18	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	18	0.94
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	18	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	18	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	18	0.94
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	20	0.94
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	20	0.94
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	20	0.94
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD21	4	0.94
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD22	4	0.94
(1,1949)	1:48:A:LEU:HB2	1:48:A:LEU:HD23	4	0.94
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	10	0.94
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	10	0.94
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	10	0.94
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	10	0.94
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	10	0.94
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	10	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	1	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	1	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	1	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	2	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	2	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	2	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	3	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	3	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	3	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	11	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	11	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	11	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	14	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	14	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	14	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	20	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	20	0.94
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	20	0.94
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	7	0.94
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	7	0.94
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	7	0.94
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	11	0.94
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	11	0.94
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	11	0.94
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	11	0.94
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	11	0.94
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	11	0.94
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	2	0.94
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	2	0.94
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	2	0.94
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	2	0.94
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	2	0.94
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	11	0.94
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	11	0.94
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	11	0.94
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	14	0.94
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	14	0.94
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	14	0.94
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	14	0.94
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	14	0.94
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	14	0.94
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	14	0.94
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	14	0.94
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	14	0.94
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	17	0.94
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	17	0.94
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	17	0.94
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	17	0.94
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	17	0.94
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	17	0.94
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	17	0.94
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	17	0.94
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	17	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	11	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	11	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	11	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	14	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	14	0.94
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	14	0.94
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	13	0.94
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	5	0.94
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	5	0.94
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	19	0.94
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	19	0.94
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	19	0.94
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	4	0.94
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	11	0.94
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	18	0.94
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	20	0.94
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG21	9	0.94
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG22	9	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:61:A:ILE:H	1:61:A:ILE:HG23	9	0.94
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	1	0.94
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	15	0.94
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	1	0.94
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	1	0.94
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	1	0.94
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	5	0.94
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	5	0.94
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	5	0.94
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	9	0.94
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	9	0.94
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	14	0.94
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	14	0.94
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	9	0.94
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	9	0.94
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	8	0.94
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	8	0.94
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	15	0.94
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	15	0.94
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	18	0.94
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	18	0.94
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	19	0.94
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	19	0.94
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	15	0.94
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	9	0.94
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	9	0.94
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	15	0.94
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	15	0.94
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	19	0.94
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	19	0.94
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	3	0.94
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	10	0.94
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	18	0.94
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	9	0.94
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	9	0.94
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	9	0.94
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	9	0.94
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB2	15	0.94
(1,1588)	1:14:A:GLN:H	1:14:A:GLN:HB3	15	0.94
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	6	0.94
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	6	0.94
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	12	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	12	0.94
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	6	0.94
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	12	0.94
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	16	0.94
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	10	0.94
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	17	0.94
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	7	0.94
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	7	0.94
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	8	0.94
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	8	0.94
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	10	0.94
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	17	0.94
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	17	0.94
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	15	0.94
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	15	0.94
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	15	0.94
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	16	0.94
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	16	0.94
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	16	0.94
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	20	0.94
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	20	0.94
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	20	0.94
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	6	0.94
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	6	0.94
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	10	0.94
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	8	0.94
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	8	0.94
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	8	0.94
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	10	0.94
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	10	0.94
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	3	0.94
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	3	0.94
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	3	0.94
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	2	0.94
(1,1401)	1:135:A:MET:HB3	1:136:A:ILE:H	13	0.94
(1,1401)	1:135:A:MET:HB2	1:136:A:ILE:H	13	0.94
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	14	0.94
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	14	0.94
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	14	0.94
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	6	0.94
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	20	0.94
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	20	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	10	0.94
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	10	0.94
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	10	0.94
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	10	0.94
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	14	0.94
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	14	0.94
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	14	0.94
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	14	0.94
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	14	0.94
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	3	0.94
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	3	0.94
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	7	0.94
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	7	0.94
(1,1287)	1:105:A:VAL:HB	1:106:A:ASP:H	15	0.94
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	1	0.94
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	1	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	14	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	14	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	14	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	14	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	18	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	18	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	18	0.94
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	18	0.94
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	17	0.94
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	18	0.94
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	20	0.94
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	16	0.94
(1,1245)	1:92:A:ARG:HG2	1:93:A:ILE:H	11	0.94
(1,1245)	1:92:A:ARG:HG3	1:93:A:ILE:H	11	0.94
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	14	0.94
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	6	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	10	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	10	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	10	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	10	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	14	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	14	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	14	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	14	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	15	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	15	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	15	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	18	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	18	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	18	0.94
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	18	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	6	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	6	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	6	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	6	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	8	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	8	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	8	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	8	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	13	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	13	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	13	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	13	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	17	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	17	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	17	0.94
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	17	0.94
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	6	0.94
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	14	0.94
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	9	0.94
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	1	0.94
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	7	0.94
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	9	0.94
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	19	0.94
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	19	0.94
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	19	0.94
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	19	0.94
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	11	0.94
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	19	0.94
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	19	0.94
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	19	0.94
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	19	0.94
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	19	0.94
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	19	0.94
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	9	0.94
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	11	0.94
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	18	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	10	0.94
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	10	0.94
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	10	0.94
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	10	0.94
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	10	0.94
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	10	0.94
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	4	0.94
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	4	0.94
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	4	0.94
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	4	0.94
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	4	0.94
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	4	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	11	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	11	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	11	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	16	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	16	0.94
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	16	0.94
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	15	0.94
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	15	0.94
(1,834)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	15	0.94
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	2	0.94
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	2	0.94
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	2	0.94
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	11	0.94
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	11	0.94
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	11	0.94
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	12	0.94
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	12	0.94
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	12	0.94
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	16	0.94
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	16	0.94
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	16	0.94
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA2	10	0.94
(1,829)	1:161:A:ALA:HB1	1:201:A:GLY:HA3	10	0.94
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA2	10	0.94
(1,829)	1:161:A:ALA:HB2	1:201:A:GLY:HA3	10	0.94
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA2	10	0.94
(1,829)	1:161:A:ALA:HB3	1:201:A:GLY:HA3	10	0.94
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	13	0.94
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	13	0.94
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	13	0.94
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	13	0.94
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	13	0.94
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	2	0.94
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	2	0.94
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	2	0.94
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	7	0.94
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	7	0.94
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	7	0.94
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	16	0.94
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	16	0.94
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	16	0.94
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	17	0.94
(1,721)	1:95:A:SER:HB2	1:96:A:TYR:H	5	0.94
(1,721)	1:95:A:SER:HB3	1:96:A:TYR:H	5	0.94
(1,709)	1:89:A:VAL:H	1:89:A:VAL:HB	19	0.94
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	2	0.94
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	2	0.94
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	10	0.94
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	10	0.94
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	10	0.94
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	15	0.94
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	6	0.94
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	6	0.94
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	6	0.94
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	3	0.94
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	3	0.94
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	14	0.94
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	14	0.94
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	4	0.94
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	4	0.94
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	4	0.94
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	8	0.94
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	20	0.94
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	20	0.94
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	20	0.94
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	20	0.94
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	20	0.94
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	20	0.94
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	4	0.94
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	4	0.94
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	10	0.94
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	14	0.94
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	19	0.94
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	18	0.94
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	18	0.94
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	18	0.94
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	9	0.94
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	9	0.94
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	14	0.94
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	14	0.94
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	14	0.94
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	14	0.94
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	7	0.94
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	7	0.94
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	7	0.94
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	8	0.94
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	8	0.94
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	8	0.94
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	13	0.94
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	13	0.94
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	13	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	1	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	1	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	1	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	5	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	5	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	5	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	15	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	15	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	15	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	16	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	16	0.94
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	16	0.94
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	3	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	3	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	3	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	3	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	16	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	16	0.94
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	16	0.94
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	15	0.94
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	14	0.94
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	14	0.94
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	14	0.94
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	14	0.94
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	14	0.94
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	16	0.94
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	16	0.94
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	9	0.94
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	9	0.94
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	9	0.94
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	9	0.94
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	9	0.94
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	9	0.94
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	13	0.94
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	13	0.94
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	13	0.94
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	20	0.94
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	20	0.94
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	20	0.94
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	20	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	7	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	7	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	7	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	7	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	7	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	7	0.94
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	7	0.94
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	7	0.94
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	7	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB1	13	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB2	13	0.94
(1,333)	1:191:A:ALA:HB1	1:192:A:ALA:HB3	13	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB1	13	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB2	13	0.94
(1,333)	1:191:A:ALA:HB2	1:192:A:ALA:HB3	13	0.94
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB1	13	0.94
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB2	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:191:A:ALA:HB3	1:192:A:ALA:HB3	13	0.94
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	2	0.94
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	2	0.94
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	2	0.94
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	15	0.94
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	15	0.94
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	15	0.94
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	5	0.94
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	5	0.94
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	5	0.94
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	5	0.94
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	3	0.94
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	6	0.94
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	6	0.94
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	7	0.94
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	7	0.94
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	4	0.94
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	4	0.94
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	4	0.94
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	4	0.94
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	4	0.94
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	4	0.94
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	4	0.94
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	4	0.94
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	4	0.94
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	6	0.94
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	6	0.94
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	6	0.94
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	16	0.94
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	16	0.94
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	16	0.94
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB1	11	0.94
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB2	11	0.94
(1,205)	1:161:A:ALA:H	1:161:A:ALA:HB3	11	0.94
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	13	0.94
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	13	0.94
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	13	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	13	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	1	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	1	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	1	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	1	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	1	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	1	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	5	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	5	0.94
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	5	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	5	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	5	0.94
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	5	0.94
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	6	0.94
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	6	0.94
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	6	0.94
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	2	0.94
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	9	0.94
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	9	0.94
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	11	0.94
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	11	0.94
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	11	0.94
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	11	0.94
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	18	0.94
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	18	0.94
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	18	0.94
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	6	0.94
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	6	0.94
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	1	0.94
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	1	0.94
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	1	0.94
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	1	0.94
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	1	0.94
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	1	0.94
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	9	0.94
(1,2244)	1:58:A:VAL:HG11	1:59:A:ILE:H	3	0.93
(1,2244)	1:58:A:VAL:HG12	1:59:A:ILE:H	3	0.93
(1,2244)	1:58:A:VAL:HG13	1:59:A:ILE:H	3	0.93
(1,2244)	1:58:A:VAL:HG21	1:59:A:ILE:H	3	0.93
(1,2244)	1:58:A:VAL:HG22	1:59:A:ILE:H	3	0.93
(1,2244)	1:58:A:VAL:HG23	1:59:A:ILE:H	3	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	13	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	13	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	13	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	13	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	13	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	15	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	15	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	15	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	15	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	15	0.93
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	15	0.93
(1,2192)	1:108:A:LEU:HD21	1:188:A:PHE:H	17	0.93
(1,2192)	1:108:A:LEU:HD22	1:188:A:PHE:H	17	0.93
(1,2192)	1:108:A:LEU:HD23	1:188:A:PHE:H	17	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	11	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	20	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	20	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	20	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	20	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	20	0.93
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	20	0.93
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	5	0.93
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	5	0.93
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	5	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	4	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	4	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	4	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	6	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	6	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	6	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	11	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	11	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	11	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	12	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	12	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	12	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	13	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	13	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	20	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	20	0.93
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	20	0.93
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	11	0.93
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	11	0.93
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	11	0.93
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	11	0.93
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	11	0.93
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	11	0.93
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	20	0.93
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	20	0.93
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	20	0.93
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	20	0.93
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	20	0.93
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	20	0.93
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	20	0.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	11	0.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	11	0.93
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	11	0.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	11	0.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	11	0.93
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	11	0.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	11	0.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	11	0.93
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	11	0.93
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	1	0.93
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	1	0.93
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	1	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	6	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	6	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	6	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	6	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	6	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	6	0.93
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	6	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	6	0.93
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	6	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD21	18	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD22	18	0.93
(1,2045)	1:211:A:VAL:HG21	1:226:A:LEU:HD23	18	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD21	18	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD22	18	0.93
(1,2045)	1:211:A:VAL:HG22	1:226:A:LEU:HD23	18	0.93
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD21	18	0.93
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD22	18	0.93
(1,2045)	1:211:A:VAL:HG23	1:226:A:LEU:HD23	18	0.93
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	8	0.93
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	8	0.93
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	8	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	17	0.93
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	17	0.93
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	17	0.93
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	17	0.93
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	7	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	7	0.93
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	7	0.93
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	7	0.93
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	7	0.93
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	7	0.93
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	7	0.93
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	7	0.93
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	7	0.93
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	17	0.93
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	17	0.93
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	17	0.93
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	11	0.93
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	11	0.93
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	11	0.93
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	11	0.93
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	11	0.93
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	11	0.93
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	1	0.93
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	1	0.93
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	1	0.93
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	13	0.93
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	13	0.93
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	13	0.93
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	13	0.93
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	13	0.93
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	3	0.93
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	3	0.93
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	3	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	7	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	7	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	7	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD11	8	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD12	8	0.93
(1,1902)	1:108:A:LEU:HB3	1:108:A:LEU:HD13	8	0.93
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	8	0.93
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	8	0.93
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	8	0.93
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	10	0.93
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	10	0.93
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	10	0.93
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	2	0.93
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	2	0.93
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	2	0.93
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	2	0.93
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	2	0.93
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	2	0.93
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	2	0.93
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	2	0.93
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	2	0.93
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	5	0.93
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	5	0.93
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	5	0.93
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	5	0.93
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	5	0.93
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	5	0.93
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	5	0.93
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	5	0.93
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	5	0.93
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	20	0.93
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	20	0.93
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	20	0.93
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	20	0.93
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	20	0.93
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	2	0.93
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	2	0.93
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	2	0.93
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	4	0.93
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	4	0.93
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	16	0.93
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	13	0.93
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	13	0.93
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	19	0.93
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	19	0.93
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	19	0.93
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	8	0.93
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	10	0.93
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	10	0.93
(1,1669)	1:42:A:MET:H	1:42:A:MET:HB3	3	0.93
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	1	0.93
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	1	0.93
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	3	0.93
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	3	0.93
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	19	0.93
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	1	0.93
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	1	0.93
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	12	0.93
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	12	0.93
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	7	0.93
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	13	0.93
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	3	0.93
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	20	0.93
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	2	0.93
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	2	0.93
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	2	0.93
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	2	0.93
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	17	0.93
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	17	0.93
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	13	0.93
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	18	0.93
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	18	0.93
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	1	0.93
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	1	0.93
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	1	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	1	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	1	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	2	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	2	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	3	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	3	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	6	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	6	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	10	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	10	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	12	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	12	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	15	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	15	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	17	0.93
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	17	0.93
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	6	0.93
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	4	0.93
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	4	0.93
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	4	0.93
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	6	0.93
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	6	0.93
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	6	0.93
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	12	0.93
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	12	0.93
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	12	0.93
(1,1498)	1:178:A:TRP:HB2	1:179:A:THR:H	8	0.93
(1,1498)	1:178:A:TRP:HB3	1:179:A:THR:H	8	0.93
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	13	0.93
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	13	0.93
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	4	0.93
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	4	0.93
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	4	0.93
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	4	0.93
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	11	0.93
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	15	0.93
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	2	0.93
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	2	0.93
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	4	0.93
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	4	0.93
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	8	0.93
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	9	0.93
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	9	0.93
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	10	0.93
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	10	0.93
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD1	17	0.93
(1,1412)	1:138:A:PHE:H	1:138:A:PHE:HD2	17	0.93
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	17	0.93
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	3	0.93
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	7	0.93
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	13	0.93
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	13	0.93
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	13	0.93
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	13	0.93
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	2	0.93
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	2	0.93
(1,1383)	1:92:A:ARG:HB2	1:132:A:ALA:H	2	0.93
(1,1383)	1:92:A:ARG:HB3	1:132:A:ALA:H	2	0.93
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG12	2	0.93
(1,1345)	1:120:A:ILE:H	1:120:A:ILE:HG13	2	0.93
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	7	0.93
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE1	2	0.93
(1,1303)	1:109:A:VAL:H	1:188:A:PHE:HE2	2	0.93
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	3	0.93
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	3	0.93
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	3	0.93
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	3	0.93
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	3	0.93
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	3	0.93
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	1	0.93
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	2	0.93
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	9	0.93
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	9	0.93
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	15	0.93
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	11	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	3	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	3	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	3	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	3	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	4	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	4	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	4	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	5	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	5	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	5	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	5	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	7	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	7	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	7	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	7	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	10	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	10	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	10	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	10	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	11	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	11	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	11	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	11	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	15	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	15	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	15	0.93
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	15	0.93
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	15	0.93
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	3	0.93
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	4	0.93
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	7	0.93
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	11	0.93
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	17	0.93
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	17	0.93
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	17	0.93
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	10	0.93
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	20	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	7	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	7	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	7	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	20	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	20	0.93
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	20	0.93
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	4	0.93
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	5	0.93
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	14	0.93
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	6	0.93
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	3	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	4	0.93
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	4	0.93
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	4	0.93
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	4	0.93
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	4	0.93
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	4	0.93
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	19	0.93
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	19	0.93
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	19	0.93
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	19	0.93
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	11	0.93
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	11	0.93
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	11	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	6	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	6	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	6	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	6	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	6	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	6	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	19	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	19	0.93
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	19	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	19	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	19	0.93
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	19	0.93
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	16	0.93
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	16	0.93
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	16	0.93
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	16	0.93
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	16	0.93
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	16	0.93
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	16	0.93
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	16	0.93
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	16	0.93
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	19	0.93
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	19	0.93
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	19	0.93
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	19	0.93
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	19	0.93
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	19	0.93
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	1	0.93
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	1	0.93
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	3	0.93
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	3	0.93
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	3	0.93
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	9	0.93
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	9	0.93
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	9	0.93
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	11	0.93
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	11	0.93
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	11	0.93
(1,792)	1:139:A:ALA:HB1	1:140:A:ARG:H	13	0.93
(1,792)	1:139:A:ALA:HB2	1:140:A:ARG:H	13	0.93
(1,792)	1:139:A:ALA:HB3	1:140:A:ARG:H	13	0.93
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	12	0.93
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	12	0.93
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	12	0.93
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	12	0.93
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	12	0.93
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	12	0.93
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	8	0.93
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	20	0.93
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	9	0.93
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	9	0.93
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	11	0.93
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	11	0.93
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	4	0.93
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	4	0.93
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	4	0.93
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	12	0.93
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	12	0.93
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	4	0.93
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	4	0.93
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	4	0.93
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	4	0.93
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	4	0.93
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	4	0.93
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	4	0.93
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	4	0.93
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	4	0.93
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	17	0.93
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	17	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	2	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	2	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	2	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	3	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	3	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	3	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	4	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	4	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	4	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	5	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	5	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	5	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	6	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	6	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	6	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	7	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	7	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	7	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	9	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	9	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	9	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	10	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	10	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	10	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	12	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	12	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	12	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	13	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	13	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	13	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	15	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	15	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	15	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	18	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	18	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	18	0.93
(1,670)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	19	0.93
(1,670)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	19	0.93
(1,670)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	19	0.93
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	8	0.93
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	8	0.93
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	8	0.93
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	8	0.93
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	8	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	2	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	2	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	2	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	9	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	9	0.93
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	9	0.93
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	20	0.93
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	20	0.93
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	20	0.93
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	5	0.93
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	5	0.93
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	5	0.93
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	11	0.93
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	11	0.93
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	10	0.93
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	10	0.93
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	10	0.93
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	19	0.93
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	19	0.93
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	19	0.93
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	5	0.93
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	5	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	8	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	8	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	8	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	9	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	9	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	9	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	12	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	12	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	12	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	17	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	17	0.93
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	17	0.93
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	7	0.93
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	13	0.93
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	13	0.93
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	15	0.93
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	15	0.93
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	13	0.93
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	13	0.93
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE1	2	0.93
(1,463)	1:42:A:MET:HG2	1:46:A:PHE:HE2	2	0.93
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE1	2	0.93
(1,463)	1:42:A:MET:HG3	1:46:A:PHE:HE2	2	0.93
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	3	0.93
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	3	0.93
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	3	0.93
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	15	0.93
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	15	0.93
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	15	0.93
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	7	0.93
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	7	0.93
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	7	0.93
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	4	0.93
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	4	0.93
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	4	0.93
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	19	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	8	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	8	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	8	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	11	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	11	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	11	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	14	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	14	0.93
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	14	0.93
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	16	0.93
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	16	0.93
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	16	0.93
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	18	0.93
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	12	0.93
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	12	0.93
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	7	0.93
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	11	0.93
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	12	0.93
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	14	0.93
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	18	0.93
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	18	0.93
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	18	0.93
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	18	0.93
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	18	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	6	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	6	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	6	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	6	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	6	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	6	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	13	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	13	0.93
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	13	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	13	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	13	0.93
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	13	0.93
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	19	0.93
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	19	0.93
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	19	0.93
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	1	0.93
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	1	0.93
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	1	0.93
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	1	0.93
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	1	0.93
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	1	0.93
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	10	0.93
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	10	0.93
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	10	0.93
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	10	0.93
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	10	0.93
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	10	0.93
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	6	0.93
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	6	0.93
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	6	0.93
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	8	0.93
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	8	0.93
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	6	0.93
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	6	0.93
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	6	0.93
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	20	0.93
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	20	0.93
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	20	0.93
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	18	0.93
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	18	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.93
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	5	0.93
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	5	0.93
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	5	0.93
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	5	0.93
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	5	0.93
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	5	0.93
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	19	0.93
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	19	0.93
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	19	0.93
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	12	0.93
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	12	0.93
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	12	0.93
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	4	0.93
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	4	0.93
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	4	0.93
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	10	0.93
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	6	0.93
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	6	0.93
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	6	0.93
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	6	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	13	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	13	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	13	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	13	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	15	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	15	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	15	0.93
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	15	0.93
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	13	0.93
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	13	0.93
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	13	0.93
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	13	0.93
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	19	0.93
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	19	0.93
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	10	0.93
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	10	0.93
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	10	0.93
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	16	0.93
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	16	0.93
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	16	0.93
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	16	0.93
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	16	0.93
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	12	0.93
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	12	0.92
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	12	0.92
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	12	0.92
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	12	0.92
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	12	0.92
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	12	0.92
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	12	0.92
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	12	0.92
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	12	0.92
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	15	0.92
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	15	0.92
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	15	0.92
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	20	0.92
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	20	0.92
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	20	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	1	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	1	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	1	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	2	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	2	0.92
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	2	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	12	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	12	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	12	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	15	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	15	0.92
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	15	0.92
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	6	0.92
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	6	0.92
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	6	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	1	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	1	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	1	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	2	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	2	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	2	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	7	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	7	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	14	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	14	0.92
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	14	0.92
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	13	0.92
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	13	0.92
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	13	0.92
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	13	0.92
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	13	0.92
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	13	0.92
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	13	0.92
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	16	0.92
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	16	0.92
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	16	0.92
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	16	0.92
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	16	0.92
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	16	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	18	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	18	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	18	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	18	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	18	0.92
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	18	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	3	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	3	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	3	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	14	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	14	0.92
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	14	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	6	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	6	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	6	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	6	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	6	0.92
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	6	0.92
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	6	0.92
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	6	0.92
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	6	0.92
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	6	0.92
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	6	0.92
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	6	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	9	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	9	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	9	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	12	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	12	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	12	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	12	0.92
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	12	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	2	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	2	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	2	0.92
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	2	0.92
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	2	0.92
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	2	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	2	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	2	0.92
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	2	0.92
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	13	0.92
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	13	0.92
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	13	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	19	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	19	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	19	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	19	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	19	0.92
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	19	0.92
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	8	0.92
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	8	0.92
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	8	0.92
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	8	0.92
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	8	0.92
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	8	0.92
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	8	0.92
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	8	0.92
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	8	0.92
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	16	0.92
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	16	0.92
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	16	0.92
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	18	0.92
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	18	0.92
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	18	0.92
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	4	0.92
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	4	0.92
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	4	0.92
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	4	0.92
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	4	0.92
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	4	0.92
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	4	0.92
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	4	0.92
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	4	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	18	0.92
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	18	0.92
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	18	0.92
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	18	0.92
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	18	0.92
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	18	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	15	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	15	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	15	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	15	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	15	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	15	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	15	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	15	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	15	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	18	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	18	0.92
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	18	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	18	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	18	0.92
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	18	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	18	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	18	0.92
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	18	0.92
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	18	0.92
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	18	0.92
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	18	0.92
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	17	0.92
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	17	0.92
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	17	0.92
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	1	0.92
(1,1757)	1:62:A:MET:H	1:63:A:GLN:H	2	0.92
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	16	0.92
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	16	0.92
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	20	0.92
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	3	0.92
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	12	0.92
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	12	0.92
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	12	0.92
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	19	0.92
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	8	0.92
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	20	0.92
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB2	7	0.92
(1,1646)	1:26:A:ASP:H	1:26:A:ASP:HB3	7	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	3	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	3	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	12	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	12	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	18	0.92
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	18	0.92
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	4	0.92
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	7	0.92
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	8	0.92
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	9	0.92
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	2	0.92
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	2	0.92
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	2	0.92
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	10	0.92
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	10	0.92
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	7	0.92
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	12	0.92
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	4	0.92
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	5	0.92
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	19	0.92
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	18	0.92
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	20	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	9	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	9	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	11	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	11	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	13	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	13	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	14	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	14	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	19	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	19	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	20	0.92
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	20	0.92
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	20	0.92
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	3	0.92
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	3	0.92
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	3	0.92
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	13	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	13	0.92
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	13	0.92
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	2	0.92
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	2	0.92
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	16	0.92
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	16	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	3	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	3	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	10	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	10	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	14	0.92
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	14	0.92
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	5	0.92
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	5	0.92
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	16	0.92
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	16	0.92
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	11	0.92
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	3	0.92
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	6	0.92
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	1	0.92
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	1	0.92
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	3	0.92
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	3	0.92
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	13	0.92
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	13	0.92
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	20	0.92
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	20	0.92
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	11	0.92
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	11	0.92
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	15	0.92
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	15	0.92
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	8	0.92
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	20	0.92
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	20	0.92
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	20	0.92
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	3	0.92
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	8	0.92
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	10	0.92
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	10	0.92
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	15	0.92
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	15	0.92
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	17	0.92
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	0.92
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	8	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	2	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	3	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	4	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	5	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	6	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	8	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	9	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	10	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	12	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	13	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	17	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	18	0.92
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	19	0.92
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	5	0.92
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	8	0.92
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	15	0.92
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	17	0.92
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	18	0.92
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	2	0.92
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	17	0.92
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	7	0.92
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	13	0.92
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	12	0.92
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	3	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	18	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	18	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	18	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD11	20	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD12	20	0.92
(1,1120)	1:186:A:ILE:H	1:186:A:ILE:HD13	20	0.92
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	7	0.92
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	15	0.92
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	15	0.92
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	4	0.92
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	18	0.92
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	17	0.92
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	16	0.92
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	16	0.92
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	16	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	12	0.92
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	12	0.92
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	9	0.92
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	19	0.92
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	19	0.92
(1,909)	1:35:A:LEU:H	1:36:A:GLU:H	18	0.92
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	2	0.92
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	4	0.92
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	10	0.92
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	12	0.92
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG21	5	0.92
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG22	5	0.92
(1,866)	1:234:A:ILE:H	1:234:A:ILE:HG23	5	0.92
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	7	0.92
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	7	0.92
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	7	0.92
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	5	0.92
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	5	0.92
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	5	0.92
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	5	0.92
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	5	0.92
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	5	0.92
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	4	0.92
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	4	0.92
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	4	0.92
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	7	0.92
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	7	0.92
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	7	0.92
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	7	0.92
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	7	0.92
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	7	0.92
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	17	0.92
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	17	0.92
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	17	0.92
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	17	0.92
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	17	0.92
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	17	0.92
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	11	0.92
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	14	0.92
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	7	0.92
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	7	0.92
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	7	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	8	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	8	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	8	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	9	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	9	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	9	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	17	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	17	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	17	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	20	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	20	0.92
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	20	0.92
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	12	0.92
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	14	0.92
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	16	0.92
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	13	0.92
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	13	0.92
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	19	0.92
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	19	0.92
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	1	0.92
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	1	0.92
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	18	0.92
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	15	0.92
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	15	0.92
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	15	0.92
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	15	0.92
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	7	0.92
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	7	0.92
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	7	0.92
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	1	0.92
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	1	0.92
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	1	0.92
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	20	0.92
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	20	0.92
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	20	0.92
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	20	0.92
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	20	0.92
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	20	0.92
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	20	0.92
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	20	0.92
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	2	0.92
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	2	0.92
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	2	0.92
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	14	0.92
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	14	0.92
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	14	0.92
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	2	0.92
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	2	0.92
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	2	0.92
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	5	0.92
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	5	0.92
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	5	0.92
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	5	0.92
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	5	0.92
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	5	0.92
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	6	0.92
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	6	0.92
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	4	0.92
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	4	0.92
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	4	0.92
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	4	0.92
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	4	0.92
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	4	0.92
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	13	0.92
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	13	0.92
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	13	0.92
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	13	0.92
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	19	0.92
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	19	0.92
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	11	0.92
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	11	0.92
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	17	0.92
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	17	0.92
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	17	0.92
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	17	0.92
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	17	0.92
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	17	0.92
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	6	0.92
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	6	0.92
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	6	0.92
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	20	0.92
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	20	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	20	0.92
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	13	0.92
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	13	0.92
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	13	0.92
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	19	0.92
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	19	0.92
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	19	0.92
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	15	0.92
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	15	0.92
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	15	0.92
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	15	0.92
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	15	0.92
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	15	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	2	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	2	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	2	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	7	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	7	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	7	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	8	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	8	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	8	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	18	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	18	0.92
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	18	0.92
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	13	0.92
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB2	13	0.92
(1,417)	1:107:A:ARG:H	1:107:A:ARG:HB3	13	0.92
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	10	0.92
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	7	0.92
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	7	0.92
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	7	0.92
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	13	0.92
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	13	0.92
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	13	0.92
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	13	0.92
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	19	0.92
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	19	0.92
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	19	0.92
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	19	0.92
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	8	0.92
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	19	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	2	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	2	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	2	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	2	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	2	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	2	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	16	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	16	0.92
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	16	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	16	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	16	0.92
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	16	0.92
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	17	0.92
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	17	0.92
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	17	0.92
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	8	0.92
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	8	0.92
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	8	0.92
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	8	0.92
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	8	0.92
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	8	0.92
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	8	0.92
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	8	0.92
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	8	0.92
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	3	0.92
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	3	0.92
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	3	0.92
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	7	0.92
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	7	0.92
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	7	0.92
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	11	0.92
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	11	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	2	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	2	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	2	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	17	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	17	0.92
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	17	0.92
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	7	0.92
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	7	0.92
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	20	0.92
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	20	0.92
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	20	0.92
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	20	0.92
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	20	0.92
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	20	0.92
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	8	0.92
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	8	0.92
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	8	0.92
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	13	0.92
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	13	0.92
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	13	0.92
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	10	0.92
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	10	0.92
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	10	0.92
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	16	0.92
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	16	0.92
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	16	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	10	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	10	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	10	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	10	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	10	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	10	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	15	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	15	0.92
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	15	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	15	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	15	0.92
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	15	0.92
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	20	0.92
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	20	0.92
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	20	0.92
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	8	0.92
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	13	0.92
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	14	0.92
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	2	0.92
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	16	0.92
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	12	0.92
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	12	0.92
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	14	0.92
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	14	0.92
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	14	0.92
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	1	0.92
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	1	0.92
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	1	0.91
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	1	0.91
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	1	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	17	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	17	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	17	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	17	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	17	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	17	0.91
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	10	0.91
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	10	0.91
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	10	0.91
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	10	0.91
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	10	0.91
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	10	0.91
(1,2189)	1:69:A:VAL:HG21	1:159:A:ALA:H	17	0.91
(1,2189)	1:69:A:VAL:HG22	1:159:A:ALA:H	17	0.91
(1,2189)	1:69:A:VAL:HG23	1:159:A:ALA:H	17	0.91
(1,2189)	1:69:A:VAL:HG11	1:159:A:ALA:H	17	0.91
(1,2189)	1:69:A:VAL:HG12	1:159:A:ALA:H	17	0.91
(1,2189)	1:69:A:VAL:HG13	1:159:A:ALA:H	17	0.91
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	16	0.91
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	16	0.91
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	16	0.91
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	20	0.91
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	20	0.91
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	20	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	5	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	5	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	5	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	10	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	10	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	10	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	19	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	19	0.91
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	19	0.91
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	1	0.91
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	1	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	1	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	1	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	1	0.91
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	19	0.91
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	19	0.91
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	19	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	19	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	19	0.91
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	19	0.91
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	9	0.91
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	9	0.91
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	9	0.91
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	9	0.91
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	9	0.91
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	9	0.91
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	9	0.91
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	13	0.91
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	13	0.91
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	5	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	5	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	5	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	13	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	13	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	13	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	14	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	14	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	14	0.91
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	14	0.91
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	4	0.91
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	4	0.91
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	4	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	1	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	1	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	1	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	7	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	7	0.91
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	7	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	1	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	1	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	1	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	18	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	18	0.91
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	18	0.91
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	7	0.91
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	7	0.91
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	7	0.91
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	20	0.91
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	20	0.91
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	19	0.91
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	19	0.91
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	19	0.91
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	2	0.91
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	2	0.91
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	2	0.91
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	9	0.91
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	9	0.91
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	9	0.91
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	15	0.91
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	15	0.91
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	15	0.91
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	15	0.91
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	15	0.91
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	15	0.91
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	15	0.91
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	15	0.91
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	15	0.91
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	4	0.91
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	12	0.91
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	7	0.91
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	7	0.91
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	7	0.91
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	13	0.91
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	13	0.91
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	18	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	18	0.91
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	13	0.91
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	9	0.91
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	16	0.91
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	10	0.91
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	10	0.91
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	10	0.91
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	6	0.91
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	18	0.91
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB2	5	0.91
(1,1675)	1:44:A:LYS:H	1:44:A:LYS:HB3	5	0.91
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	10	0.91
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	10	0.91
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	6	0.91
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	6	0.91
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	6	0.91
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	4	0.91
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	5	0.91
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	9	0.91
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	9	0.91
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	19	0.91
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	4	0.91
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	14	0.91
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	15	0.91
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	15	0.91
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	15	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	4	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	4	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	16	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	16	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	18	0.91
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	18	0.91
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	2	0.91
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	3	0.91
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	7	0.91
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	9	0.91
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	10	0.91
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	18	0.91
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	7	0.91
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	7	0.91
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	7	0.91
(1,1525)	1:191:A:ALA:HB1	1:192:A:ALA:H	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:191:A:ALA:HB2	1:192:A:ALA:H	11	0.91
(1,1525)	1:191:A:ALA:HB3	1:192:A:ALA:H	11	0.91
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	2	0.91
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	2	0.91
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	2	0.91
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	10	0.91
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	10	0.91
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	12	0.91
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	12	0.91
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	20	0.91
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	20	0.91
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	19	0.91
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	14	0.91
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	18	0.91
(1,1438)	1:155:A:THR:H	1:156:A:LEU:H	8	0.91
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	11	0.91
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	11	0.91
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	16	0.91
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	16	0.91
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	19	0.91
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	19	0.91
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	19	0.91
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	19	0.91
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	19	0.91
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	19	0.91
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	19	0.91
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	3	0.91
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	3	0.91
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	8	0.91
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	8	0.91
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	12	0.91
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	12	0.91
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	1	0.91
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	1	0.91
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	1	0.91
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	2	0.91
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	11	0.91
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	9	0.91
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	9	0.91
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	15	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	1	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	7	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	11	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	14	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	15	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	16	0.91
(1,1250)	1:94:A:VAL:HB	1:95:A:SER:H	20	0.91
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	7	0.91
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	9	0.91
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	10	0.91
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	18	0.91
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	18	0.91
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	18	0.91
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	18	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	9	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	9	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	9	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	9	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	14	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	14	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	14	0.91
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	14	0.91
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	13	0.91
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	17	0.91
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	20	0.91
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	7	0.91
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	7	0.91
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	7	0.91
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	4	0.91
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	4	0.91
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	4	0.91
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	14	0.91
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	14	0.91
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	13	0.91
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	13	0.91
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	17	0.91
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	17	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	7	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	7	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	7	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	7	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	12	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	12	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	12	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	14	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	14	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	14	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	14	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	15	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	15	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	15	0.91
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	15	0.91
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	20	0.91
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	20	0.91
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	20	0.91
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	20	0.91
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	20	0.91
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	20	0.91
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	12	0.91
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	12	0.91
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	8	0.91
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	8	0.91
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	8	0.91
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	6	0.91
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	9	0.91
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	9	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	9	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	9	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	9	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	9	0.91
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	10	0.91
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	10	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	10	0.91
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	10	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	10	0.91
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	10	0.91
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	10	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	1	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	1	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	1	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	7	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	7	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	7	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	11	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	11	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	13	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	13	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	13	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	16	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	16	0.91
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	16	0.91
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	8	0.91
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	9	0.91
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	18	0.91
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	16	0.91
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	16	0.91
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	5	0.91
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	5	0.91
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	6	0.91
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	6	0.91
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	6	0.91
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	12	0.91
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	12	0.91
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	12	0.91
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	1	0.91
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	1	0.91
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	1	0.91
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	2	0.91
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	2	0.91
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	6	0.91
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	6	0.91
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	6	0.91
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	6	0.91
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	6	0.91
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	6	0.91
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	20	0.91
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	20	0.91
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	20	0.91
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	20	0.91
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	20	0.91
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	20	0.91
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	14	0.91
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	14	0.91
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	14	0.91
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	12	0.91
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	12	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	18	0.91
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	18	0.91
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	10	0.91
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	10	0.91
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	19	0.91
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	19	0.91
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	19	0.91
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	19	0.91
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	19	0.91
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	19	0.91
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	4	0.91
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	4	0.91
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	4	0.91
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	16	0.91
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	2	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	1	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	1	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	1	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	5	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	5	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	5	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	6	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	6	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	6	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	19	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	19	0.91
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	19	0.91
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	6	0.91
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	6	0.91
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	19	0.91
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	17	0.91
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	17	0.91
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	17	0.91
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	17	0.91
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	2	0.91
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	2	0.91
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	2	0.91
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	3	0.91
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	3	0.91
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	3	0.91
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	11	0.91
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	11	0.91
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	11	0.91
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	11	0.91
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	11	0.91
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	11	0.91
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	11	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	2	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	2	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	2	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	2	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	11	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	11	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	11	0.91
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	11	0.91
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	16	0.91
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	16	0.91
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	16	0.91
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	1	0.91
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	1	0.91
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	1	0.91
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	14	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	6	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	6	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	6	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	7	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	7	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	7	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	9	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	9	0.91
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	9	0.91
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	15	0.91
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	9	0.91
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	9	0.91
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	9	0.91
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	9	0.91
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	9	0.91
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	9	0.91
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB2	1	0.91
(1,242)	1:118:A:LYS:H	1:118:A:LYS:HB3	1	0.91
(1,222)	1:195:A:ALA:HB3	1:196:A:LEU:H	5	0.91
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	20	0.91
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	20	0.91
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	20	0.91
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	20	0.91
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	14	0.91
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	14	0.91
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	14	0.91
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	14	0.91
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	14	0.91
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	14	0.91
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	15	0.91
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	15	0.91
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	15	0.91
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	15	0.91
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	15	0.91
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	15	0.91
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	18	0.91
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	18	0.91
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	18	0.91
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	18	0.91
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	19	0.91
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	19	0.91
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	1	0.91
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	1	0.91
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	1	0.91
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	3	0.91
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	3	0.91
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	3	0.91
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	14	0.91
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	14	0.91
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	14	0.91
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	14	0.91
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	14	0.91
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	14	0.91
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE1	7	0.91
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE2	7	0.91
(1,157)	1:15:A:ALA:HB1	1:62:A:MET:HE3	7	0.91
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE1	7	0.91
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE2	7	0.91
(1,157)	1:15:A:ALA:HB2	1:62:A:MET:HE3	7	0.91
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE1	7	0.91
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE2	7	0.91
(1,157)	1:15:A:ALA:HB3	1:62:A:MET:HE3	7	0.91
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	5	0.91
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	15	0.91
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	15	0.91
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	15	0.91
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	15	0.91
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	13	0.91
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	15	0.91
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	15	0.91
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	10	0.91
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	10	0.91
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	10	0.91
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	10	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	4	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	4	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	5	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	5	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	15	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	15	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	18	0.91
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	18	0.91
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE1	10	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:117:A:GLY:HA3	1:124:A:PHE:HE2	10	0.91
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	9	0.91
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	9	0.91
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	11	0.91
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	11	0.91
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	0.9
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	0.9
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	0.9
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	0.9
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	0.9
(1,2229)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	0.9
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	1	0.9
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	6	0.9
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	9	0.9
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	11	0.9
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	11	0.9
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	11	0.9
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	11	0.9
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	11	0.9
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	11	0.9
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	5	0.9
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	5	0.9
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	5	0.9
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD21	17	0.9
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD22	17	0.9
(1,2196)	1:24:A:LEU:H	1:24:A:LEU:HD23	17	0.9
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	6	0.9
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	6	0.9
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	15	0.9
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	15	0.9
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	15	0.9
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	20	0.9
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	20	0.9
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	20	0.9
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	3	0.9
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	3	0.9
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	3	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	7	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	7	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	15	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	15	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	15	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	15	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	15	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	15	0.9
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	15	0.9
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	3	0.9
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	3	0.9
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	3	0.9
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	7	0.9
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	7	0.9
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	7	0.9
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	7	0.9
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	7	0.9
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	7	0.9
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	3	0.9
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	3	0.9
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	3	0.9
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	12	0.9
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	12	0.9
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	12	0.9
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	12	0.9
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	12	0.9
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	12	0.9
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD11	17	0.9
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD12	17	0.9
(1,2061)	1:54:A:LEU:HA	1:54:A:LEU:HD13	17	0.9
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	11	0.9
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	11	0.9
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	11	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	6	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	6	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	6	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	6	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	16	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	16	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	16	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	16	0.9
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	16	0.9
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	18	0.9
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	18	0.9
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	18	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	16	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	16	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	16	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	16	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	16	0.9
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	16	0.9
(1,1930)	1:189:A:LEU:HD11	1:190:A:TYR:HA	4	0.9
(1,1930)	1:189:A:LEU:HD12	1:190:A:TYR:HA	4	0.9
(1,1930)	1:189:A:LEU:HD13	1:190:A:TYR:HA	4	0.9
(1,1930)	1:189:A:LEU:HD21	1:190:A:TYR:HA	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1930)	1:189:A:LEU:HD22	1:190:A:TYR:HA	4	0.9
(1,1930)	1:189:A:LEU:HD23	1:190:A:TYR:HA	4	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	9	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	9	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	9	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	18	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	18	0.9
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	18	0.9
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG11	12	0.9
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG12	12	0.9
(1,1914)	1:93:A:ILE:HG21	1:105:A:VAL:HG13	12	0.9
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG11	12	0.9
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG12	12	0.9
(1,1914)	1:93:A:ILE:HG22	1:105:A:VAL:HG13	12	0.9
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG11	12	0.9
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG12	12	0.9
(1,1914)	1:93:A:ILE:HG23	1:105:A:VAL:HG13	12	0.9
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	4	0.9
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	4	0.9
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	4	0.9
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	19	0.9
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	19	0.9
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	19	0.9
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	6	0.9
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	6	0.9
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	6	0.9
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	6	0.9
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	6	0.9
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	6	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	12	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	12	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	12	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD11	13	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD12	13	0.9
(1,1872)	1:237:A:LEU:HB3	1:237:A:LEU:HD13	13	0.9
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	1	0.9
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	1	0.9
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	19	0.9
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	9	0.9
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	14	0.9
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	19	0.9
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	2	0.9
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	2	0.9
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	15	0.9
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	16	0.9
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	16	0.9
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	17	0.9
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	17	0.9
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	11	0.9
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	11	0.9
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	11	0.9
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	17	0.9
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	17	0.9
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	17	0.9
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	5	0.9
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	10	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	1	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	1	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	1	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	9	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	9	0.9
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	9	0.9
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	5	0.9
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	5	0.9
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	17	0.9
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	17	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	7	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	7	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	9	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	9	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	13	0.9
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	13	0.9
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	3	0.9
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	3	0.9
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	3	0.9
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	3	0.9
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	17	0.9
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	18	0.9
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	19	0.9
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	19	0.9
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	19	0.9
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB2	5	0.9
(1,1534)	1:196:A:LEU:H	1:196:A:LEU:HB3	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	1	0.9
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	4	0.9
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	12	0.9
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	20	0.9
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	20	0.9
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	9	0.9
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	12	0.9
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	13	0.9
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	3	0.9
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	3	0.9
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	11	0.9
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	11	0.9
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	5	0.9
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	5	0.9
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	12	0.9
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	12	0.9
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	2	0.9
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	2	0.9
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	15	0.9
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	15	0.9
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	19	0.9
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	19	0.9
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	6	0.9
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	6	0.9
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	6	0.9
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	6	0.9
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	7	0.9
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	7	0.9
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	9	0.9
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	9	0.9
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	16	0.9
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	16	0.9
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	17	0.9
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	17	0.9
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	12	0.9
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	1	0.9
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	10	0.9
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	10	0.9
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	5	0.9
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	3	0.9
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	17	0.9
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	2	0.9
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	11	0.9
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	20	0.9
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	10	0.9
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	12	0.9
(1,1206)	1:83:A:LYS:HB3	1:84:A:TRP:H	20	0.9
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	2	0.9
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	2	0.9
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	2	0.9
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	2	0.9
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	2	0.9
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	2	0.9
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	3	0.9
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	17	0.9
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	17	0.9
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	17	0.9
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	3	0.9
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	3	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	1	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	1	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	1	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	1	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	2	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	2	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	2	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	2	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	5	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	5	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	5	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	5	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	8	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	8	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	8	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	8	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	10	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	10	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	10	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	10	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	11	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	11	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	11	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	13	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	13	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	13	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	13	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	18	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	18	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	18	0.9
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	18	0.9
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	9	0.9
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	9	0.9
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	4	0.9
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	4	0.9
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	1	0.9
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	1	0.9
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	1	0.9
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	1	0.9
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	1	0.9
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	1	0.9
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	8	0.9
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	8	0.9
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	8	0.9
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	8	0.9
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	8	0.9
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	8	0.9
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	9	0.9
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	9	0.9
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	9	0.9
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	9	0.9
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	9	0.9
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	9	0.9
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	1	0.9
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	1	0.9
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	1	0.9
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	1	0.9
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	1	0.9
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	1	0.9
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	13	0.9
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	16	0.9
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	17	0.9
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	17	0.9
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	13	0.9
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	1	0.9
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	3	0.9
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	20	0.9
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	3	0.9
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	3	0.9
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	3	0.9
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	11	0.9
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	11	0.9
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	17	0.9
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	17	0.9
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	20	0.9
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	20	0.9
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	20	0.9
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	20	0.9
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	20	0.9
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	20	0.9
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	20	0.9
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	20	0.9
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	20	0.9
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	20	0.9
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	20	0.9
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	20	0.9
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	4	0.9
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	4	0.9
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	4	0.9
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	16	0.9
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	12	0.9
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	12	0.9
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	12	0.9
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	13	0.9
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	13	0.9
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	13	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	3	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	3	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	3	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	11	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	11	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	11	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	16	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	16	0.9
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	16	0.9
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	15	0.9
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	1	0.9
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	1	0.9
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD1	14	0.9
(1,511)	1:96:A:TYR:HA	1:138:A:PHE:HD2	14	0.9
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	12	0.9
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	12	0.9
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	12	0.9
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	12	0.9
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	12	0.9
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	12	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	9	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	9	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	11	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	11	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	16	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	16	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	19	0.9
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	19	0.9
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	20	0.9
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	20	0.9
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	20	0.9
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	5	0.9
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	5	0.9
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	11	0.9
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	11	0.9
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	13	0.9
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	13	0.9
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	13	0.9
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	13	0.9
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	13	0.9
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	13	0.9
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	18	0.9
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	18	0.9
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	18	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	6	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	6	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	6	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	11	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	11	0.9
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	11	0.9
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	16	0.9
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	16	0.9
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	16	0.9
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	16	0.9
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	20	0.9
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	20	0.9
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	20	0.9
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	13	0.9
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	13	0.9
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	17	0.9
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	17	0.9
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	17	0.9
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	17	0.9
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	17	0.9
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	17	0.9
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	7	0.9
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	7	0.9
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	7	0.9
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	4	0.9
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	4	0.9
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	4	0.9
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	4	0.9
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	18	0.9
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	18	0.9
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	18	0.9
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	18	0.9
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	18	0.9
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	18	0.9
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	2	0.9
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	2	0.9
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	2	0.9
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	4	0.9
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	4	0.9
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	4	0.9
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	18	0.9
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	18	0.9
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	18	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	14	0.9
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	14	0.9
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	14	0.9
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	15	0.9
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	15	0.9
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	15	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	1	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	1	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	1	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	3	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	3	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	3	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	13	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	13	0.9
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	13	0.9
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	15	0.9
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	15	0.9
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	2	0.9
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	16	0.9
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	16	0.9
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	16	0.9
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	16	0.9
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	16	0.9
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	16	0.9
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	16	0.9
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	16	0.9
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	16	0.9
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	16	0.9
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	16	0.9
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	16	0.9
(1,222)	1:195:A:ALA:HB3	1:196:A:LEU:H	4	0.9
(1,222)	1:195:A:ALA:HB3	1:196:A:LEU:H	16	0.9
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	7	0.9
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	7	0.9
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	11	0.9
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	11	0.9
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	11	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	3	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	3	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	3	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	4	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	4	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	4	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	6	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	6	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	6	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	7	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	7	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	7	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	8	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	8	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	8	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	9	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	9	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	9	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	10	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	10	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	10	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	11	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	11	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	11	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	13	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	13	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	13	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	14	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	14	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	14	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	15	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	15	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	15	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	17	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	17	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	17	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	19	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	19	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	19	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD11	20	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD12	20	0.9
(1,209)	1:93:A:ILE:HB	1:93:A:ILE:HD13	20	0.9
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	20	0.9
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	20	0.9
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	20	0.9
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	5	0.9
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	5	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	5	0.9
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	12	0.9
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	12	0.9
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	12	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	8	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	8	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	8	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	8	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	8	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	8	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	11	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	11	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	11	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	11	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	11	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	11	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	18	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	18	0.9
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	18	0.9
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	18	0.9
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	15	0.9
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	20	0.9
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	20	0.9
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	20	0.9
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	6	0.9
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	6	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	3	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	7	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	8	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	9	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	12	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	18	0.9
(1,100)	1:90:A:THR:HA	1:91:A:TYR:H	19	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	2	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	2	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	6	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	6	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	11	0.9
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	11	0.9
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	9	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	9	0.9
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	9	0.9
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	9	0.9
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	9	0.9
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	2	0.9
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	2	0.9
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	3	0.9
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	3	0.9
(1,12)	1:45:A:PHE:HE1	1:214:A:PRO:HG3	15	0.9
(1,12)	1:45:A:PHE:HE2	1:214:A:PRO:HG3	15	0.9
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	1	0.9
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	1	0.9
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	1	0.9
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	1	0.9
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	1	0.9
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	1	0.9
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	7	0.89
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	7	0.89
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	7	0.89
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	3	0.89
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	3	0.89
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	3	0.89
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	13	0.89
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	16	0.89
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	16	0.89
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	16	0.89
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	16	0.89
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	16	0.89
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	16	0.89
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	12	0.89
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	12	0.89
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	12	0.89
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	7	0.89
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	7	0.89
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	7	0.89
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	6	0.89
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	6	0.89
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	10	0.89
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	10	0.89
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	10	0.89
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	14	0.89
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	14	0.89
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	14	0.89
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	14	0.89
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	14	0.89
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	14	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	4	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	4	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	4	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	4	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	4	0.89
(1,2155)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	4	0.89
(1,2155)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	4	0.89
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	18	0.89
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	18	0.89
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	18	0.89
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	8	0.89
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	8	0.89
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	8	0.89
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	8	0.89
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	8	0.89
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	8	0.89
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	8	0.89
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG11	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG12	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG13	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG21	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG22	1:125:A:ARG:HB3	9	0.89
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB2	9	0.89
(1,2113)	1:88:A:VAL:HG23	1:125:A:ARG:HB3	9	0.89
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	17	0.89
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	17	0.89
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	17	0.89
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	17	0.89
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	17	0.89
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	17	0.89
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	17	0.89
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	17	0.89
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	17	0.89
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	3	0.89
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	3	0.89
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	3	0.89
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	3	0.89
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	3	0.89
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	3	0.89
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	5	0.89
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	5	0.89
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	5	0.89
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	5	0.89
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	5	0.89
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	5	0.89
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	5	0.89
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	5	0.89
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	6	0.89
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	6	0.89
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	6	0.89
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	4	0.89
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	4	0.89
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	4	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	6	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	6	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	6	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	17	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	17	0.89
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	17	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	3	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	3	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	3	0.89
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	3	0.89
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	3	0.89
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	3	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	3	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	3	0.89
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	3	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	14	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	14	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	14	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	16	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	16	0.89
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	16	0.89
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	10	0.89
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	10	0.89
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	10	0.89
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	10	0.89
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	10	0.89
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	10	0.89
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	13	0.89
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	13	0.89
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	13	0.89
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	5	0.89
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	5	0.89
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	5	0.89
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	8	0.89
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	8	0.89
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	8	0.89
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	8	0.89
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	8	0.89
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	8	0.89
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	8	0.89
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	8	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	2	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	2	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	2	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	6	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	6	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	6	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	11	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	11	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	11	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	15	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	15	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	15	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	17	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	17	0.89
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	17	0.89
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	10	0.89
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	10	0.89
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	10	0.89
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	3	0.89
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	3	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	2	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	2	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	2	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	20	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	20	0.89
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	20	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	2	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	2	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	2	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	2	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	2	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	2	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	7	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	7	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	7	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	7	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	7	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	7	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	9	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	9	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	9	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	9	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	9	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	9	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	16	0.89
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	16	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	16	0.89
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	16	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	16	0.89
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	16	0.89
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	15	0.89
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	15	0.89
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	15	0.89
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	15	0.89
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	15	0.89
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	15	0.89
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	15	0.89
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	15	0.89
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	15	0.89
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	15	0.89
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	15	0.89
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	15	0.89
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	15	0.89
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	15	0.89
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD11	17	0.89
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD12	17	0.89
(1,1807)	1:54:A:LEU:HA	1:54:A:LEU:HD13	17	0.89
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	15	0.89
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	15	0.89
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	15	0.89
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	6	0.89
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	6	0.89
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	3	0.89
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	3	0.89
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	3	0.89
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	7	0.89
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	7	0.89
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	6	0.89
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	6	0.89
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	13	0.89
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	13	0.89
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	13	0.89
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	2	0.89
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	3	0.89
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	11	0.89
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	11	0.89
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	11	0.89
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	11	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	3	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	3	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	3	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	8	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	8	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	8	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	13	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	13	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	13	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	15	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	15	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	15	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	16	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	16	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.89
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.89
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	4	0.89
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	4	0.89
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	14	0.89
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	14	0.89
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	8	0.89
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	12	0.89
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	12	0.89
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	12	0.89
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	12	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	1	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	1	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	19	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	19	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	20	0.89
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	20	0.89
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	6	0.89
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	5	0.89
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	5	0.89
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	17	0.89
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	17	0.89
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	1	0.89
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	6	0.89
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	10	0.89
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	11	0.89
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	15	0.89
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	16	0.89
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	3	0.89
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	4	0.89
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	14	0.89
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	19	0.89
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	11	0.89
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	11	0.89
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	11	0.89
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	13	0.89
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	13	0.89
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	5	0.89
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	5	0.89
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	15	0.89
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	15	0.89
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	17	0.89
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	17	0.89
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	4	0.89
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	8	0.89
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	1	0.89
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	1	0.89
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	4	0.89
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	4	0.89
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	11	0.89
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	11	0.89
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	12	0.89
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	12	0.89
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	5	0.89
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	15	0.89
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	18	0.89
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	9	0.89
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	18	0.89
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	20	0.89
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	4	0.89
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	4	0.89
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG2	6	0.89
(1,1292)	1:107:A:ARG:H	1:107:A:ARG:HG3	6	0.89
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	4	0.89
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	7	0.89
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	14	0.89
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	14	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	12	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	12	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	12	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	18	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	18	0.89
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	18	0.89
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	19	0.89
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	19	0.89
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB2	19	0.89
(1,1205)	1:84:A:TRP:H	1:84:A:TRP:HB3	19	0.89
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	9	0.89
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	9	0.89
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	2	0.89
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	9	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	10	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	10	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	10	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	15	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	15	0.89
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	15	0.89
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	13	0.89
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	13	0.89
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	13	0.89
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	2	0.89
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	6	0.89
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	6	0.89
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	12	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	11	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	11	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	14	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	14	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	16	0.89
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	16	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	3	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	3	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	3	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	3	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	6	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	6	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	6	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	6	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	9	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	9	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	9	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	9	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	19	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	19	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	19	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	19	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	20	0.89
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	20	0.89
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	6	0.89
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	6	0.89
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	6	0.89
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	11	0.89
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	11	0.89
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	11	0.89
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	11	0.89
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	11	0.89
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	11	0.89
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	14	0.89
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	14	0.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	9	0.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	9	0.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	9	0.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	9	0.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	9	0.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	9	0.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	15	0.89
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	15	0.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	15	0.89
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	15	0.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	15	0.89
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	15	0.89
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	2	0.89
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	2	0.89
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	2	0.89
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	6	0.89
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	6	0.89
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	6	0.89
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	6	0.89
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	6	0.89
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	6	0.89
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	8	0.89
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	8	0.89
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	8	0.89
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	20	0.89
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	20	0.89
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	20	0.89
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	20	0.89
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	20	0.89
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	20	0.89
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	20	0.89
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	20	0.89
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	10	0.89
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	15	0.89
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	6	0.89
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	6	0.89
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	6	0.89
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	6	0.89
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	6	0.89
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	6	0.89
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	16	0.89
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	16	0.89
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	16	0.89
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	16	0.89
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	16	0.89
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	16	0.89
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	11	0.89
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	11	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	2	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	2	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	2	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	5	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	5	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	5	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	6	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	6	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	6	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	12	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	12	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	12	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	18	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	18	0.89
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	18	0.89
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	13	0.89
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	14	0.89
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	14	0.89
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	14	0.89
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	5	0.89
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	5	0.89
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	3	0.89
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	4	0.89
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	16	0.89
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	16	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	16	0.89
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	17	0.89
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	17	0.89
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	17	0.89
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	17	0.89
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	17	0.89
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	17	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	7	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	7	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	7	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	8	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	8	0.89
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	8	0.89
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	16	0.89
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	16	0.89
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	20	0.89
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	20	0.89
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	20	0.89
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	20	0.89
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	20	0.89
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	20	0.89
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	4	0.89
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	4	0.89
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	4	0.89
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	4	0.89
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	4	0.89
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	4	0.89
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	5	0.89
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	5	0.89
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	5	0.89
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	5	0.89
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	5	0.89
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	5	0.89
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	12	0.89
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	12	0.89
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	12	0.89
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	7	0.89
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	7	0.89
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	1	0.89
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	1	0.89
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	14	0.89
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	6	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	6	0.89
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	6	0.89
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	9	0.89
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	9	0.89
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	17	0.89
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	17	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	2	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	2	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	2	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	7	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	7	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	7	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB1	14	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB2	14	0.89
(1,522)	1:109:A:VAL:HA	1:112:A:ALA:HB3	14	0.89
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	6	0.89
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	6	0.89
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	1	0.89
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	1	0.89
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	1	0.89
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	1	0.89
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	1	0.89
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	1	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	1	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	1	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	2	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	2	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	6	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	6	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	7	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	7	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	10	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	10	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	12	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	12	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	13	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	13	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	20	0.89
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	20	0.89
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	2	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	2	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	2	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	3	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	3	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	3	0.89
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	5	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	5	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	5	0.89
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	6	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	6	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	6	0.89
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	10	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	10	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	10	0.89
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	12	0.89
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	12	0.89
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	12	0.89
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	9	0.89
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	9	0.89
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	9	0.89
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	7	0.89
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	7	0.89
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	7	0.89
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	5	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	5	0.89
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	5	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	5	0.89
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	14	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	14	0.89
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	14	0.89
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	14	0.89
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	4	0.89
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	19	0.89
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE1	20	0.89
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE2	20	0.89
(1,359)	1:62:A:MET:HB2	1:62:A:MET:HE3	20	0.89
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE1	20	0.89
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE2	20	0.89
(1,359)	1:62:A:MET:HB3	1:62:A:MET:HE3	20	0.89
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD11	4	0.89
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD12	4	0.89
(1,342)	1:133:A:ASP:HB2	1:134:A:ILE:HD13	4	0.89
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD11	4	0.89
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD12	4	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:133:A:ASP:HB3	1:134:A:ILE:HD13	4	0.89
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	10	0.89
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	10	0.89
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	10	0.89
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	10	0.89
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	8	0.89
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	8	0.89
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	8	0.89
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	8	0.89
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	8	0.89
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	8	0.89
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	1	0.89
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	1	0.89
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	1	0.89
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	2	0.89
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	2	0.89
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	2	0.89
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	11	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	14	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	14	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	14	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	15	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	15	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	15	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	18	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	18	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	18	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	20	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	20	0.89
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	20	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	4	0.89
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	4	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	5	0.89
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	5	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	7	0.89
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	7	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	9	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	9	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	12	0.89
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	12	0.89
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	20	0.89
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	20	0.89
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	16	0.89
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	16	0.89
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	16	0.89
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	16	0.89
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	16	0.89
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	16	0.89
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	8	0.89
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	8	0.89
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	8	0.89
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	8	0.89
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	8	0.89
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	8	0.89
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	20	0.89
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	20	0.89
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	20	0.89
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	20	0.89
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	2	0.89
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	2	0.89
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	2	0.89
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	2	0.89
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	2	0.89
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	2	0.89
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	11	0.89
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	11	0.89
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	11	0.89
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	17	0.89
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	17	0.89
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	17	0.89
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	18	0.89
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	18	0.89
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	18	0.89
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	5	0.89
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	18	0.89
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	18	0.89
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	18	0.89
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	18	0.89
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	3	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	3	0.89
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	13	0.89
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	13	0.89
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	13	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	2	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	2	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	3	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	3	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	4	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	4	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	6	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	6	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	8	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	8	0.89
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	15	0.89
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	15	0.89
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	9	0.89
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	9	0.89
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	9	0.89
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	9	0.89
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	9	0.89
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	9	0.89
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	13	0.89
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	16	0.88
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	16	0.88
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	16	0.88
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	8	0.88
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	14	0.88
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	17	0.88
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	17	0.88
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	17	0.88
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	17	0.88
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	17	0.88
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	7	0.88
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	7	0.88
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	7	0.88
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	10	0.88
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	10	0.88
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	10	0.88
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	12	0.88
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	12	0.88
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	12	0.88
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	15	0.88
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	15	0.88
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	15	0.88
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	10	0.88
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	10	0.88
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	10	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	2	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	2	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	14	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	14	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	17	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	17	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	17	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	17	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	17	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	17	0.88
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	17	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	17	0.88
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	17	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	17	0.88
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	17	0.88
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	8	0.88
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	8	0.88
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	8	0.88
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	8	0.88
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	8	0.88
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	8	0.88
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	17	0.88
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	17	0.88
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	17	0.88
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	8	0.88
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	8	0.88
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	8	0.88
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	8	0.88
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	8	0.88
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	8	0.88
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	8	0.88
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	8	0.88
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	8	0.88
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD21	2	0.88
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD22	2	0.88
(1,2040)	1:199:A:SER:H	1:200:A:LEU:HD23	2	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	3	0.88
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	3	0.88
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	3	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG11	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG12	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG13	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG21	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD11	4	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG22	1:136:A:ILE:HD13	4	0.88
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD11	4	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD12	4	0.88
(1,2026)	1:109:A:VAL:HG23	1:136:A:ILE:HD13	4	0.88
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	19	0.88
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	19	0.88
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	19	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	2	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	2	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	10	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	10	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	11	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	11	0.88
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	11	0.88
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	5	0.88
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	5	0.88
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	5	0.88
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	12	0.88
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	12	0.88
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	12	0.88
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	12	0.88
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	12	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	1	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	1	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	1	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	3	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	3	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	3	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	8	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	8	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	8	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	10	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	10	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	10	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	14	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	14	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	14	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	19	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	19	0.88
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	19	0.88
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	1	0.88
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	1	0.88
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	1	0.88
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	18	0.88
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	18	0.88
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	18	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	7	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	7	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	7	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	7	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	7	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	7	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	7	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	7	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	7	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	17	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	17	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	17	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	17	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	17	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	17	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	17	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	17	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	19	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	19	0.88
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	19	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	19	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	19	0.88
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	19	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	19	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	19	0.88
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	19	0.88
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	9	0.88
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	9	0.88
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	9	0.88
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	5	0.88
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	5	0.88
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	5	0.88
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	5	0.88
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	5	0.88
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	5	0.88
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	12	0.88
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	12	0.88
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	12	0.88
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	12	0.88
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	12	0.88
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	12	0.88
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	12	0.88
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	12	0.88
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	12	0.88
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	6	0.88
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	6	0.88
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	6	0.88
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	1	0.88
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	1	0.88
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	1	0.88
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	4	0.88
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	4	0.88
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	4	0.88
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	4	0.88
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	4	0.88
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	4	0.88
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	8	0.88
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	8	0.88
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	8	0.88
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	8	0.88
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	8	0.88
(1,1715)	1:61:A:ILE:HA	1:64:A:LYS:H	12	0.88
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	9	0.88
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	9	0.88
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	9	0.88
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	14	0.88
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	14	0.88
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	20	0.88
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	20	0.88
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	19	0.88
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	19	0.88
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	19	0.88
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	20	0.88
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	13	0.88
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	8	0.88
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	8	0.88
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	6	0.88
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	6	0.88
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	2	0.88
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	17	0.88
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	12	0.88
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	12	0.88
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	15	0.88
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	15	0.88
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	19	0.88
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	19	0.88
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	3	0.88
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	15	0.88
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	18	0.88
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	18	0.88
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	18	0.88
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	17	0.88
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	1	0.88
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	6	0.88
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	8	0.88
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	1	0.88
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	1	0.88
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	10	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	10	0.88
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	19	0.88
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	19	0.88
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	12	0.88
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	12	0.88
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	12	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	10	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	10	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	10	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	14	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	14	0.88
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	14	0.88
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	1	0.88
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	1	0.88
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	2	0.88
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	1	0.88
(1,1395)	1:134:A:ILE:HG21	1:135:A:MET:H	10	0.88
(1,1395)	1:134:A:ILE:HG22	1:135:A:MET:H	10	0.88
(1,1395)	1:134:A:ILE:HG23	1:135:A:MET:H	10	0.88
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	11	0.88
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	3	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	1	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	1	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	4	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	4	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	12	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	12	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	13	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	13	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	16	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	16	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	18	0.88
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	18	0.88
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	20	0.88
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	13	0.88
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	13	0.88
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	19	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	2	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	5	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	10	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	11	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	12	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	13	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	15	0.88
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	20	0.88
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	16	0.88
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	10	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	2	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	2	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	2	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	5	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	5	0.88
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	5	0.88
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	17	0.88
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	18	0.88
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	18	0.88
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	18	0.88
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	1	0.88
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	10	0.88
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	14	0.88
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	2	0.88
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	16	0.88
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	20	0.88
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	20	0.88
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	20	0.88
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	13	0.88
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	20	0.88
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	10	0.88
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	10	0.88
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	7	0.88
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	7	0.88
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	7	0.88
(1,893)	1:28:A:GLU:H	1:29:A:THR:H	15	0.88
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	8	0.88
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	8	0.88
(1,879)	1:140:A:ARG:HG3	1:149:A:PHE:HB3	8	0.88
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	15	0.88
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	15	0.88
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	15	0.88
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	15	0.88
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	15	0.88
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	15	0.88
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	3	0.88
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	3	0.88
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	3	0.88
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	3	0.88
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	3	0.88
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	15	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	4	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	4	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	4	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	10	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	10	0.88
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	10	0.88
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	1	0.88
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	1	0.88
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	1	0.88
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	14	0.88
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	14	0.88
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	14	0.88
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	14	0.88
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	14	0.88
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	14	0.88
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	12	0.88
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	12	0.88
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB1	13	0.88
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB2	13	0.88
(1,817)	1:172:A:PHE:HD1	1:191:A:ALA:HB3	13	0.88
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB1	13	0.88
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB2	13	0.88
(1,817)	1:172:A:PHE:HD2	1:191:A:ALA:HB3	13	0.88
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	3	0.88
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	3	0.88
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	3	0.88
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	8	0.88
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	8	0.88
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	8	0.88
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	8	0.88
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	11	0.88
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	11	0.88
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	11	0.88
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	1	0.88
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	3	0.88
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	3	0.88
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	3	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	14	0.88
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	14	0.88
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	14	0.88
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	12	0.88
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	12	0.88
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	12	0.88
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	11	0.88
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	11	0.88
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	15	0.88
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	15	0.88
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	4	0.88
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	7	0.88
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	7	0.88
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	7	0.88
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	7	0.88
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	7	0.88
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	7	0.88
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	7	0.88
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	7	0.88
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	7	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	10	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	10	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	10	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	17	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	17	0.88
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	17	0.88
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	17	0.88
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	17	0.88
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	12	0.88
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	12	0.88
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	12	0.88
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	12	0.88
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	12	0.88
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	12	0.88
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	8	0.88
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	8	0.88
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	8	0.88
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	3	0.88
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	3	0.88
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	18	0.88
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	18	0.88
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	18	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	6	0.88
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	7	0.88
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	7	0.88
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	7	0.88
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	5	0.88
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	5	0.88
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	8	0.88
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	8	0.88
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	8	0.88
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	8	0.88
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	8	0.88
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	8	0.88
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	8	0.88
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	8	0.88
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	8	0.88
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	13	0.88
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	13	0.88
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	13	0.88
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	14	0.88
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	14	0.88
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	14	0.88
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	20	0.88
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	20	0.88
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	20	0.88
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	20	0.88
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	20	0.88
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	20	0.88
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	9	0.88
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	3	0.88
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	3	0.88
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	3	0.88
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	3	0.88
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	3	0.88
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	3	0.88
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	3	0.88
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	3	0.88
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	3	0.88
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	1	0.88
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	1	0.88
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	1	0.88
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	17	0.88
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	17	0.88
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	17	0.88
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	17	0.88
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	17	0.88
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	17	0.88
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	17	0.88
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	17	0.88
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	17	0.88
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	17	0.88
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	17	0.88
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	3	0.88
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	4	0.88
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	4	0.88
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	4	0.88
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	3	0.88
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	3	0.88
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	3	0.88
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	3	0.88
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	3	0.88
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	3	0.88
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	3	0.88
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	3	0.88
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	3	0.88
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	11	0.88
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	11	0.88
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	11	0.88
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	11	0.88
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	11	0.88
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	11	0.88
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	9	0.88
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	9	0.88
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	9	0.88
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	7	0.88
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	7	0.88
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	7	0.88
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	7	0.88
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	7	0.88
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	7	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	5	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	5	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	5	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	5	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	5	0.88
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	5	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	10	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	10	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	10	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	10	0.88
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	10	0.88
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	10	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	19	0.88
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	19	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	19	0.88
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	19	0.88
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	19	0.88
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	19	0.88
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	15	0.88
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	15	0.88
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	15	0.88
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	12	0.88
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	12	0.88
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	12	0.88
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	6	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	5	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	5	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	5	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	8	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	8	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	8	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	10	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	10	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	10	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	11	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	11	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	11	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	16	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	16	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	16	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	19	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	19	0.88
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	19	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	1	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	1	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	2	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	3	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	3	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	6	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	6	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	8	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	8	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	10	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	10	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	11	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	11	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	14	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	14	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	16	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	16	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	17	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	17	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	18	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	18	0.88
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	19	0.88
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	19	0.88
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	14	0.88
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	14	0.88
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	3	0.88
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	3	0.88
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	3	0.88
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	10	0.88
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	10	0.88
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	13	0.88
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	13	0.88
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	13	0.88
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	13	0.88
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	13	0.88
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	13	0.88
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	14	0.88
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	14	0.88
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	14	0.88
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	14	0.88
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	14	0.88
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	14	0.88
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	15	0.88
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	15	0.88
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	15	0.88
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	13	0.88
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	13	0.88
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	13	0.88
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	13	0.88
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	3	0.88
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	3	0.88
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	3	0.88
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	14	0.88
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	14	0.88
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	14	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	2	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	2	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	2	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	4	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	4	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	4	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	8	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	8	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	8	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	9	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	9	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	9	0.88
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	10	0.88
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	10	0.88
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	10	0.88
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	10	0.88
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	3	0.88
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	5	0.88
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	5	0.88
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	17	0.88
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	17	0.88
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	17	0.88
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	8	0.88
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	8	0.88
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	8	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	8	0.88
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	1	0.88
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	1	0.88
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	1	0.88
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	1	0.88
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	7	0.88
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	7	0.88
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	20	0.88
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	20	0.88
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	4	0.88
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	4	0.88
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	7	0.88
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	7	0.88
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	13	0.88
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	13	0.88
(1,31)	1:172:A:PHE:HE1	1:192:A:ALA:HA	19	0.88
(1,31)	1:172:A:PHE:HE2	1:192:A:ALA:HA	19	0.88
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	6	0.88
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	6	0.88
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	6	0.88
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	2	0.88
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	2	0.88
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	2	0.88
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	2	0.88
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	2	0.88
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	2	0.88
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	9	0.87
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	4	0.87
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	4	0.87
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	4	0.87
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	5	0.87
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	5	0.87
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	5	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	3	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	18	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	18	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	18	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	18	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	18	0.87
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	18	0.87
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	4	0.87
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	4	0.87
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	4	0.87
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	4	0.87
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	4	0.87
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	4	0.87
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	4	0.87
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	4	0.87
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	4	0.87
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	8	0.87
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	8	0.87
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	8	0.87
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	19	0.87
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	19	0.87
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	19	0.87
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	16	0.87
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	16	0.87
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	16	0.87
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	12	0.87
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	12	0.87
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	12	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	8	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	8	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	8	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD21	15	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD22	15	0.87
(1,2129)	1:156:A:LEU:HA	1:156:A:LEU:HD23	15	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	10	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	10	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	10	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	10	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	10	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	10	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	20	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	20	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	20	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	20	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	20	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	20	0.87
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	20	0.87
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	18	0.87
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	18	0.87
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	18	0.87
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	18	0.87
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	18	0.87
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	18	0.87
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	18	0.87
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	13	0.87
(1,2068)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	13	0.87
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	13	0.87
(1,2068)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	13	0.87
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	13	0.87
(1,2068)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	13	0.87
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	13	0.87
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	13	0.87
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	13	0.87
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	17	0.87
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	17	0.87
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	17	0.87
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	12	0.87
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	12	0.87
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	12	0.87
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	14	0.87
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	14	0.87
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	12	0.87
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	12	0.87
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	12	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	9	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	9	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	9	0.87
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	9	0.87
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	9	0.87
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	9	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	9	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	9	0.87
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	9	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	9	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	9	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	15	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	15	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG11	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG12	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG13	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG21	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG22	1:137:A:GLY:HA3	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA2	20	0.87
(1,1988)	1:94:A:VAL:HG23	1:137:A:GLY:HA3	20	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	9	0.87
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	9	0.87
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	9	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	9	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	9	0.87
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	9	0.87
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	2	0.87
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	2	0.87
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	2	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	4	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	4	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	4	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD21	5	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD22	5	0.87
(1,1921)	1:237:A:LEU:HB2	1:237:A:LEU:HD23	5	0.87
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	9	0.87
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	9	0.87
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	9	0.87
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	10	0.87
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	10	0.87
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	10	0.87
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	11	0.87
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	11	0.87
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	11	0.87
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG21	12	0.87
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG22	12	0.87
(1,1891)	1:109:A:VAL:HG21	1:136:A:ILE:HG23	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG21	12	0.87
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG22	12	0.87
(1,1891)	1:109:A:VAL:HG22	1:136:A:ILE:HG23	12	0.87
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG21	12	0.87
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG22	12	0.87
(1,1891)	1:109:A:VAL:HG23	1:136:A:ILE:HG23	12	0.87
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	8	0.87
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	8	0.87
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	8	0.87
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	8	0.87
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	8	0.87
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	8	0.87
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	11	0.87
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	11	0.87
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	11	0.87
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	11	0.87
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	11	0.87
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	11	0.87
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	19	0.87
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	19	0.87
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	19	0.87
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	19	0.87
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	19	0.87
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	19	0.87
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	8	0.87
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	8	0.87
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	8	0.87
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	4	0.87
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	4	0.87
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	4	0.87
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	4	0.87
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	11	0.87
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	18	0.87
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	16	0.87
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	16	0.87
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	16	0.87
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	15	0.87
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	15	0.87
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	15	0.87
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	4	0.87
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	3	0.87
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	14	0.87
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	14	0.87
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	12	0.87
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	12	0.87
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	12	0.87
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	7	0.87
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	11	0.87
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	12	0.87
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	14	0.87
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	6	0.87
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	6	0.87
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	9	0.87
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	9	0.87
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	9	0.87
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	18	0.87
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	14	0.87
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	14	0.87
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	18	0.87
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	5	0.87
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	8	0.87
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	16	0.87
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB2	14	0.87
(1,1562)	1:202:A:MET:H	1:202:A:MET:HB3	14	0.87
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	13	0.87
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	8	0.87
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	14	0.87
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	14	0.87
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	14	0.87
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	17	0.87
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	17	0.87
(1,1541)	1:196:A:LEU:HB3	1:197:A:GLY:H	17	0.87
(1,1541)	1:196:A:LEU:HB2	1:197:A:GLY:H	17	0.87
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	17	0.87
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	8	0.87
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	2	0.87
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	17	0.87
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB2	17	0.87
(1,1489)	1:42:A:MET:H	1:42:A:MET:HB3	17	0.87
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	4	0.87
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	4	0.87
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	11	0.87
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	11	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	11	0.87
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	18	0.87
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	18	0.87
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	13	0.87
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	17	0.87
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	19	0.87
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	14	0.87
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	14	0.87
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	2	0.87
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	2	0.87
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	2	0.87
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	15	0.87
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	6	0.87
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	19	0.87
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	7	0.87
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	7	0.87
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	15	0.87
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	15	0.87
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	10	0.87
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	10	0.87
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	8	0.87
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	4	0.87
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	4	0.87
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	14	0.87
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	15	0.87
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	9	0.87
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	18	0.87
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	19	0.87
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	8	0.87
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	4	0.87
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	12	0.87
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	19	0.87
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	5	0.87
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	7	0.87
(1,1116)	1:180:A:ASP:H	1:181:A:GLY:H	20	0.87
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	20	0.87
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	20	0.87
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	1	0.87
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	13	0.87
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	15	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	1	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	1	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	3	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	3	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	13	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	13	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	20	0.87
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	20	0.87
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	11	0.87
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	15	0.87
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	2	0.87
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	16	0.87
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	14	0.87
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	14	0.87
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	14	0.87
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	16	0.87
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	16	0.87
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG12	16	0.87
(1,942)	1:50:A:ILE:H	1:50:A:ILE:HG13	16	0.87
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	8	0.87
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	8	0.87
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	3	0.87
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	15	0.87
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	15	0.87
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	6	0.87
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	6	0.87
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	9	0.87
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	9	0.87
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB2	16	0.87
(1,854)	1:210:A:ALA:HB1	1:230:A:ASP:HB3	16	0.87
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB2	16	0.87
(1,854)	1:210:A:ALA:HB2	1:230:A:ASP:HB3	16	0.87
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB2	16	0.87
(1,854)	1:210:A:ALA:HB3	1:230:A:ASP:HB3	16	0.87
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	6	0.87
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	6	0.87
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	10	0.87
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	10	0.87
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	15	0.87
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	15	0.87
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	15	0.87
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	15	0.87
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	15	0.87
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	15	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	17	0.87
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	17	0.87
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	17	0.87
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	17	0.87
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	17	0.87
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	17	0.87
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	3	0.87
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	3	0.87
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	3	0.87
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	1	0.87
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	1	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	9	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	9	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	9	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	9	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	9	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	9	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	16	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	16	0.87
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	16	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	16	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	16	0.87
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	16	0.87
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	12	0.87
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	12	0.87
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB1	19	0.87
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB2	19	0.87
(1,698)	1:112:A:ALA:H	1:112:A:ALA:HB3	19	0.87
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	2	0.87
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	7	0.87
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	7	0.87
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	7	0.87
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	7	0.87
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	7	0.87
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	7	0.87
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	3	0.87
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	3	0.87
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	3	0.87
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	6	0.87
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	14	0.87
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	14	0.87
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	14	0.87
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	14	0.87
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	14	0.87
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	14	0.87
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	14	0.87
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	14	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	3	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	3	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	3	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	5	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	5	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	5	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	6	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	6	0.87
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	6	0.87
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	7	0.87
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	7	0.87
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	7	0.87
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	7	0.87
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	7	0.87
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	7	0.87
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	6	0.87
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	6	0.87
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	2	0.87
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	2	0.87
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	2	0.87
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	5	0.87
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	5	0.87
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	5	0.87
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	19	0.87
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	4	0.87
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	4	0.87
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	4	0.87
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	4	0.87
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	1	0.87
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	1	0.87
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	5	0.87
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	5	0.87
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	5	0.87
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	5	0.87
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	5	0.87
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	5	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	8	0.87
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	8	0.87
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	8	0.87
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	8	0.87
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	8	0.87
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	8	0.87
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	8	0.87
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	8	0.87
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	8	0.87
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD11	19	0.87
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD12	19	0.87
(1,436)	1:231:A:ILE:H	1:231:A:ILE:HD13	19	0.87
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	8	0.87
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	8	0.87
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	8	0.87
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	6	0.87
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	18	0.87
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	18	0.87
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	18	0.87
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	18	0.87
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	18	0.87
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	18	0.87
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	3	0.87
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	3	0.87
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	16	0.87
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.87
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	11	0.87
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	11	0.87
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	10	0.87
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	10	0.87
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	10	0.87
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	10	0.87
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	10	0.87
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	10	0.87
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	4	0.87
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	4	0.87
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	4	0.87
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	4	0.87
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	4	0.87
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	4	0.87
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	7	0.87
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	7	0.87
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	7	0.87
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	7	0.87
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	7	0.87
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	9	0.87
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	9	0.87
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	9	0.87
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	14	0.87
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	14	0.87
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	14	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	2	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	2	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	2	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	2	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	2	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	2	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	4	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	4	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	4	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	4	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	4	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	4	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	7	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	7	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	7	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	7	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	7	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	7	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	12	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	12	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	12	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	12	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	12	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	12	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	20	0.87
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	20	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	20	0.87
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	20	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	20	0.87
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	20	0.87
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	7	0.87
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	7	0.87
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	7	0.87
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	7	0.87
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	7	0.87
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	7	0.87
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	7	0.87
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	7	0.87
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	10	0.87
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	10	0.87
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	8	0.87
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	8	0.87
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	8	0.87
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	10	0.87
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	10	0.87
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	10	0.87
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	17	0.87
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	17	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	4	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	4	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	4	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB1	12	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB2	12	0.87
(1,280)	1:139:A:ALA:H	1:139:A:ALA:HB3	12	0.87
(1,279)	1:111:A:LYS:HB2	1:112:A:ALA:H	13	0.87
(1,279)	1:111:A:LYS:HB3	1:112:A:ALA:H	13	0.87
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE1	18	0.87
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE2	18	0.87
(1,267)	1:42:A:MET:HG3	1:42:A:MET:HE3	18	0.87
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	10	0.87
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	10	0.87
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	10	0.87
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	10	0.87
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	10	0.87
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	10	0.87
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	13	0.87
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	13	0.87
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	20	0.87
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	20	0.87
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	20	0.87
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	7	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	7	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	7	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	7	0.87
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	7	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	7	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	7	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	7	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	7	0.87
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.87
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.87
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	1	0.87
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	1	0.87
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	1	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	6	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	6	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	6	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	7	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	7	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	7	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	13	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	13	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	13	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	14	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	14	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	14	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	19	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	19	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	19	0.87
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	20	0.87
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	20	0.87
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	20	0.87
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE1	19	0.87
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE2	19	0.87
(1,156)	1:62:A:MET:HG2	1:62:A:MET:HE3	19	0.87
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	12	0.87
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	12	0.87
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	19	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	19	0.87
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	9	0.87
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	9	0.87
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	9	0.87
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	9	0.87
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	9	0.87
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	9	0.87
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	1	0.87
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	1	0.87
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	1	0.87
(1,46)	1:213:A:TYR:HD1	1:215:A:THR:H	19	0.87
(1,46)	1:213:A:TYR:HD2	1:215:A:THR:H	19	0.87
(4,16)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	16	0.86
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG21	19	0.86
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG22	19	0.86
(1,2243)	1:58:A:VAL:H	1:58:A:VAL:HG23	19	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	20	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	20	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	20	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	20	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	20	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	20	0.86
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	3	0.86
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	5	0.86
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	15	0.86
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	19	0.86
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	19	0.86
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	19	0.86
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	19	0.86
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	19	0.86
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	20	0.86
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	20	0.86
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	20	0.86
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	20	0.86
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	20	0.86
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	20	0.86
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	2	0.86
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	2	0.86
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	2	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	4	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	4	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	4	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	13	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	13	0.86
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	13	0.86
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	7	0.86
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	7	0.86
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	7	0.86
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	11	0.86
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	11	0.86
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	11	0.86
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD11	13	0.86
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD12	13	0.86
(1,2149)	1:237:A:LEU:HB2	1:237:A:LEU:HD13	13	0.86
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	13	0.86
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	13	0.86
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	13	0.86
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	13	0.86
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	13	0.86
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	13	0.86
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	13	0.86
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	13	0.86
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	13	0.86
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	5	0.86
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	5	0.86
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	5	0.86
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	12	0.86
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	12	0.86
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	12	0.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	6	0.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	6	0.86
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	6	0.86
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	19	0.86
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	19	0.86
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	19	0.86
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	19	0.86
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	19	0.86
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	19	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	7	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	7	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	7	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	7	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	7	0.86
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	7	0.86
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	12	0.86
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	12	0.86
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	12	0.86
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	12	0.86
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	12	0.86
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	12	0.86
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	12	0.86
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	12	0.86
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	12	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	7	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	7	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	7	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	12	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	12	0.86
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	12	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	3	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	3	0.86
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	3	0.86
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	3	0.86
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	16	0.86
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	16	0.86
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	16	0.86
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	14	0.86
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	14	0.86
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	14	0.86
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD11	10	0.86
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD12	10	0.86
(1,1840)	1:109:A:VAL:HG21	1:196:A:LEU:HD13	10	0.86
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD11	10	0.86
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD12	10	0.86
(1,1840)	1:109:A:VAL:HG22	1:196:A:LEU:HD13	10	0.86
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD11	10	0.86
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD12	10	0.86
(1,1840)	1:109:A:VAL:HG23	1:196:A:LEU:HD13	10	0.86
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	3	0.86
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	3	0.86
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	3	0.86
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	3	0.86
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	3	0.86
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	3	0.86
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	4	0.86
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	4	0.86
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	4	0.86
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	4	0.86
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	4	0.86
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	4	0.86
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	9	0.86
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	9	0.86
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	9	0.86
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	9	0.86
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	9	0.86
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	9	0.86
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	9	0.86
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	9	0.86
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	20	0.86
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	20	0.86
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	20	0.86
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	17	0.86
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	17	0.86
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	9	0.86
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	8	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	3	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	3	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	3	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	3	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	5	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	5	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	5	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	5	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	14	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	14	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	14	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	14	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	19	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	19	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	19	0.86
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	19	0.86
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	7	0.86
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	12	0.86
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	12	0.86
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	6	0.86
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	6	0.86
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	6	0.86
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	19	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	7	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	7	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	7	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	11	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	11	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	12	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	12	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	12	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	14	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	14	0.86
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	14	0.86
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	13	0.86
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	13	0.86
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	1	0.86
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	16	0.86
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	2	0.86
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	2	0.86
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	2	0.86
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	18	0.86
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	5	0.86
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	5	0.86
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	10	0.86
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	10	0.86
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	10	0.86
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	10	0.86
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	10	0.86
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	10	0.86
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	15	0.86
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	6	0.86
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	8	0.86
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	8	0.86
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	6	0.86
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	14	0.86
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	15	0.86
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	5	0.86
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	14	0.86
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	7	0.86
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	11	0.86
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	15	0.86
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	16	0.86
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	15	0.86
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	15	0.86
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	16	0.86
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	16	0.86
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	8	0.86
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	8	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	16	0.86
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	16	0.86
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	6	0.86
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	6	0.86
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	6	0.86
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	16	0.86
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	16	0.86
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	16	0.86
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	8	0.86
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	8	0.86
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	4	0.86
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	4	0.86
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	6	0.86
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	6	0.86
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	6	0.86
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	16	0.86
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	16	0.86
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	16	0.86
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	16	0.86
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	5	0.86
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	5	0.86
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	5	0.86
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	9	0.86
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	9	0.86
(1,1369)	1:126:A:LYS:H	1:125:A:ARG:HG3	12	0.86
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	5	0.86
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	5	0.86
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	11	0.86
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	11	0.86
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	11	0.86
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	11	0.86
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	11	0.86
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	13	0.86
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	13	0.86
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	15	0.86
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	15	0.86
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	3	0.86
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	3	0.86
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	16	0.86
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	16	0.86
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	13	0.86
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:116:A:TRP:H	1:116:A:TRP:HB2	19	0.86
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	1	0.86
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	6	0.86
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	16	0.86
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	1	0.86
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	11	0.86
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	11	0.86
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	11	0.86
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	11	0.86
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	3	0.86
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	6	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	1	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	1	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	1	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	15	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	15	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	15	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	16	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	16	0.86
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	16	0.86
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	4	0.86
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	1	0.86
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	12	0.86
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	12	0.86
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB2	12	0.86
(1,1196)	1:236:A:LYS:H	1:236:A:LYS:HB3	12	0.86
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	19	0.86
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	12	0.86
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	19	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	4	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	5	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	6	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	7	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	8	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	9	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	10	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	14	0.86
(1,1071)	1:9:A:GLU:H	1:10:A:LEU:H	18	0.86
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	2	0.86
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	1	0.86
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	1	0.86
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	7	0.86
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	7	0.86
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	7	0.86
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	15	0.86
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	15	0.86
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	15	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	8	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	8	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	9	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	9	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	16	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	16	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	17	0.86
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	17	0.86
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	2	0.86
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	17	0.86
(1,974)	1:68:A:GLY:H	1:156:A:LEU:H	3	0.86
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	11	0.86
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	11	0.86
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	11	0.86
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	5	0.86
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	5	0.86
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	8	0.86
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	8	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	14	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	14	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	14	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	14	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	17	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	17	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	17	0.86
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	17	0.86
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	12	0.86
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	9	0.86
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	9	0.86
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	3	0.86
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	3	0.86
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	11	0.86
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	11	0.86
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	11	0.86
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	11	0.86
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	11	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	11	0.86
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	19	0.86
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	19	0.86
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	19	0.86
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	19	0.86
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	19	0.86
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	19	0.86
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	9	0.86
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	3	0.86
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	3	0.86
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	3	0.86
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	17	0.86
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	5	0.86
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	14	0.86
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	14	0.86
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	7	0.86
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	7	0.86
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	4	0.86
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	4	0.86
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	4	0.86
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	4	0.86
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	4	0.86
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	4	0.86
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	18	0.86
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	19	0.86
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	19	0.86
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	19	0.86
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	19	0.86
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	19	0.86
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	19	0.86
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	19	0.86
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	19	0.86
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	19	0.86
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	5	0.86
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	5	0.86
(1,624)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	5	0.86
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	5	0.86
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	5	0.86
(1,624)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	5	0.86
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	5	0.86
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	5	0.86
(1,624)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	8	0.86
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	8	0.86
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	18	0.86
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	18	0.86
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	2	0.86
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	2	0.86
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	2	0.86
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	4	0.86
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	19	0.86
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	18	0.86
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	20	0.86
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	14	0.86
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	14	0.86
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	14	0.86
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	14	0.86
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	14	0.86
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	14	0.86
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	20	0.86
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	20	0.86
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	20	0.86
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	11	0.86
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	11	0.86
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	11	0.86
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	7	0.86
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	7	0.86
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	7	0.86
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	11	0.86
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	11	0.86
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	11	0.86
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	15	0.86
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	15	0.86
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	15	0.86
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	16	0.86
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	16	0.86
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	16	0.86
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	17	0.86
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	17	0.86
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	17	0.86
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	16	0.86
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	16	0.86
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	16	0.86
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	16	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	16	0.86
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	16	0.86
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	7	0.86
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	14	0.86
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	14	0.86
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	14	0.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	11	0.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	11	0.86
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	11	0.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	11	0.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	11	0.86
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	11	0.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	11	0.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	11	0.86
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	11	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	3	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	3	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	3	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	3	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	3	0.86
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	3	0.86
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	5	0.86
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	5	0.86
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	5	0.86
(1,410)	1:121:A:PRO:HD2	1:122:A:LEU:H	2	0.86
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	6	0.86
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	6	0.86
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	6	0.86
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	6	0.86
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	6	0.86
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	6	0.86
(1,393)	1:50:A:ILE:H	1:50:A:ILE:HG12	17	0.86
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	6	0.86
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	6	0.86
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	13	0.86
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	15	0.86
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	13	0.86
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	13	0.86
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	13	0.86
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	13	0.86
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	13	0.86
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	13	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	17	0.86
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	17	0.86
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	17	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	3	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	3	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	3	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	3	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	6	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	6	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	6	0.86
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	6	0.86
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	12	0.86
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	12	0.86
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	12	0.86
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	3	0.86
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	3	0.86
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	3	0.86
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	3	0.86
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	3	0.86
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	3	0.86
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	17	0.86
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	17	0.86
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	17	0.86
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	17	0.86
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	17	0.86
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	17	0.86
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	10	0.86
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	10	0.86
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	10	0.86
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	18	0.86
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	18	0.86
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	10	0.86
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	10	0.86
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	1	0.86
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	1	0.86
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	1	0.86
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	1	0.86
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	1	0.86
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	1	0.86
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	5	0.86
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	5	0.86
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	5	0.86
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	17	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	2	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	2	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	2	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	7	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	7	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	7	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	10	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	10	0.86
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	10	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	7	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	7	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	7	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	7	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	20	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	20	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	20	0.86
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	20	0.86
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	17	0.86
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	17	0.86
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	17	0.86
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	17	0.86
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	14	0.86
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	14	0.86
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	10	0.86
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	10	0.86
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	19	0.85
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	19	0.85
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	19	0.85
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	19	0.85
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	19	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	19	0.85
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	13	0.85
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	13	0.85
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	13	0.85
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	1	0.85
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	1	0.85
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	1	0.85
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	20	0.85
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	20	0.85
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	20	0.85
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	12	0.85
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	12	0.85
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	12	0.85
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	12	0.85
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	12	0.85
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	12	0.85
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	12	0.85
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	12	0.85
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	12	0.85
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	16	0.85
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	16	0.85
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	16	0.85
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD21	9	0.85
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD22	9	0.85
(1,2128)	1:65:A:PRO:HB2	1:156:A:LEU:HD23	9	0.85
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	9	0.85
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	9	0.85
(1,2128)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	9	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	12	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	12	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	16	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	16	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	16	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	16	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	16	0.85
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	16	0.85
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	11	0.85
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	11	0.85
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	11	0.85
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	11	0.85
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	11	0.85
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	11	0.85
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	11	0.85
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	20	0.85
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	20	0.85
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	20	0.85
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	20	0.85
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	20	0.85
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	20	0.85
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	7	0.85
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	7	0.85
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	7	0.85
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	7	0.85
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	7	0.85
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	7	0.85
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	7	0.85
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	16	0.85
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	16	0.85
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	15	0.85
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	15	0.85
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	15	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	6	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	6	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	6	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	6	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	6	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	6	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	15	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	15	0.85
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	15	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	15	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	15	0.85
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	15	0.85
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	13	0.85
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	13	0.85
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	13	0.85
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	5	0.85
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	5	0.85
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	5	0.85
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	3	0.85
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	3	0.85
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	3	0.85
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	3	0.85
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	3	0.85
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	3	0.85
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	3	0.85
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	3	0.85
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	3	0.85
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	6	0.85
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	6	0.85
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	6	0.85
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	6	0.85
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	6	0.85
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	6	0.85
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	6	0.85
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	6	0.85
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	6	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	1	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	1	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	1	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	1	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	1	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	1	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	4	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	4	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	4	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	4	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	4	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	4	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	15	0.85
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	15	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	15	0.85
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	15	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	15	0.85
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	15	0.85
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	7	0.85
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	7	0.85
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	7	0.85
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	7	0.85
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	7	0.85
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	7	0.85
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	9	0.85
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	9	0.85
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	9	0.85
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	9	0.85
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	9	0.85
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	9	0.85
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	17	0.85
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	17	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	1	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	1	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	1	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	1	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	2	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	2	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	2	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	2	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	4	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	4	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	4	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	6	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	6	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	6	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	6	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	7	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	7	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	7	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	7	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	8	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	8	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	8	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	8	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	9	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	9	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	9	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	9	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	10	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	10	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	10	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	10	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	11	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	11	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	11	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	11	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	12	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	12	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	12	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	12	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	13	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	13	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	13	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	13	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	15	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	15	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	15	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	15	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	16	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	16	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	16	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	16	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	17	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	17	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	17	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	17	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	18	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	18	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	18	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	18	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB2	20	0.85
(1,1737)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	0.85
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	2	0.85
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	2	0.85
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	2	0.85
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	19	0.85
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	19	0.85
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	7	0.85
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	5	0.85
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	13	0.85
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	10	0.85
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	10	0.85
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	10	0.85
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	10	0.85
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	10	0.85
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	17	0.85
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	17	0.85
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	4	0.85
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	4	0.85
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	18	0.85
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	18	0.85
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	16	0.85
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	17	0.85
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	12	0.85
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	1	0.85
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	15	0.85
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	10	0.85
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	10	0.85
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	13	0.85
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	18	0.85
(1,1531)	1:194:A:HIS:H	1:195:A:ALA:H	19	0.85
(1,1526)	1:189:A:LEU:HA	1:192:A:ALA:H	5	0.85
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	14	0.85
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	14	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	14	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	15	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	15	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	18	0.85
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	18	0.85
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	9	0.85
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	9	0.85
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	9	0.85
(1,1466)	1:167:A:GLY:HA2	1:169:A:ASP:H	7	0.85
(1,1466)	1:167:A:GLY:HA3	1:169:A:ASP:H	7	0.85
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	3	0.85
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	3	0.85
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	6	0.85
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	6	0.85
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	19	0.85
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	19	0.85
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	6	0.85
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	6	0.85
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	7	0.85
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	7	0.85
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	18	0.85
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	18	0.85
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	7	0.85
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	7	0.85
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	20	0.85
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	20	0.85
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	20	0.85
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	20	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	2	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	2	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	10	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	10	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB3	14	0.85
(1,1368)	1:126:A:LYS:H	1:126:A:LYS:HB2	14	0.85
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	8	0.85
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	8	0.85
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	5	0.85
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	5	0.85
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	5	0.85
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	3	0.85
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	3	0.85
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	20	0.85
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	20	0.85
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	20	0.85
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	5	0.85
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	5	0.85
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	7	0.85
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	7	0.85
(1,1249)	1:94:A:VAL:H	1:94:A:VAL:HB	13	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	4	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	4	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	4	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	6	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	6	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	6	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	7	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	7	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	7	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	9	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	9	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	9	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	10	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	10	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	10	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	11	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	11	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	11	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	13	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	13	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	13	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	14	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	14	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	14	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	19	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	19	0.85
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	19	0.85
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	12	0.85
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	9	0.85
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	9	0.85
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	9	0.85
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	4	0.85
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	11	0.85
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	11	0.85
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	5	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	5	0.85
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	12	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	12	0.85
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	14	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	14	0.85
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	19	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	19	0.85
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	20	0.85
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	20	0.85
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	6	0.85
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	6	0.85
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	6	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	8	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	8	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	8	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	8	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	12	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	12	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	12	0.85
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	12	0.85
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	1	0.85
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	1	0.85
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	18	0.85
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	18	0.85
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	18	0.85
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	16	0.85
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	16	0.85
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	16	0.85
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	16	0.85
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	16	0.85
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	16	0.85
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	13	0.85
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	13	0.85
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	12	0.85
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	12	0.85
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	12	0.85
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	12	0.85
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	12	0.85
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	10	0.85
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	10	0.85
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	1	0.85
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	2	0.85
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	2	0.85
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	2	0.85
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	1	0.85
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	1	0.85
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	1	0.85
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	1	0.85
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	1	0.85
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	1	0.85
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	11	0.85
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	11	0.85
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	11	0.85
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	9	0.85
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	9	0.85
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	9	0.85
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	9	0.85
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	9	0.85
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	9	0.85
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	4	0.85
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	4	0.85
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	10	0.85
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	10	0.85
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	4	0.85
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	4	0.85
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	4	0.85
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	4	0.85
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	12	0.85
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	12	0.85
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	12	0.85
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	12	0.85
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	12	0.85
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	12	0.85
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	5	0.85
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	5	0.85
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	5	0.85
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	4	0.85
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	4	0.85
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	4	0.85
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	3	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	3	0.85
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	3	0.85
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	15	0.85
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	15	0.85
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	15	0.85
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	17	0.85
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	17	0.85
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	17	0.85
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	17	0.85
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	17	0.85
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	17	0.85
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	2	0.85
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	2	0.85
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD1	8	0.85
(1,532)	1:124:A:PHE:HA	1:124:A:PHE:HD2	8	0.85
(1,453)	1:231:A:ILE:HG21	1:232:A:LYS:HA	16	0.85
(1,453)	1:231:A:ILE:HG22	1:232:A:LYS:HA	16	0.85
(1,453)	1:231:A:ILE:HG23	1:232:A:LYS:HA	16	0.85
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	16	0.85
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	16	0.85
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	16	0.85
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	1	0.85
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	1	0.85
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	1	0.85
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	8	0.85
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	8	0.85
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	8	0.85
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	9	0.85
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	9	0.85
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	9	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	5	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	5	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	5	0.85
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	5	0.85
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	5	0.85
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	5	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	5	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	5	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	5	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	11	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	11	0.85
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	11	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	11	0.85
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	11	0.85
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	11	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	11	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	11	0.85
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	11	0.85
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	11	0.85
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	11	0.85
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	11	0.85
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	11	0.85
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	15	0.85
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	15	0.85
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	19	0.85
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	19	0.85
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	1	0.85
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	8	0.85
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	3	0.85
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	3	0.85
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	3	0.85
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	3	0.85
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	3	0.85
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	3	0.85
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	5	0.85
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	5	0.85
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	5	0.85
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	12	0.85
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	12	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	5	0.85
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	5	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	5	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	11	0.85
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	11	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	11	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	18	0.85
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	18	0.85
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	18	0.85
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	5	0.85
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	8	0.85
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	20	0.85
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	4	0.85
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	4	0.85
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	4	0.85
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	4	0.85
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	4	0.85
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	19	0.85
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	19	0.85
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	19	0.85
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	19	0.85
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	19	0.85
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	19	0.85
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	12	0.85
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	12	0.85
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	12	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	8	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	8	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	8	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	8	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	8	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	8	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	8	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	8	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	8	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	11	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	11	0.85
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	11	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	11	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	11	0.85
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	11	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	11	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	11	0.85
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	11	0.85
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	13	0.85
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	13	0.85
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	13	0.85
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	18	0.85
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	18	0.85
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	18	0.85
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	15	0.85
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	6	0.85
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	20	0.85
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	20	0.85
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	18	0.85
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	3	0.85
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	3	0.85
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	13	0.85
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	13	0.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG21	16	0.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG22	16	0.85
(1,82)	1:51:A:THR:HA	1:51:A:THR:HG23	16	0.85
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	7	0.85
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	8	0.85
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	8	0.85
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	2	0.85
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	2	0.85
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	6	0.85
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	6	0.85
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	6	0.85
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	6	0.85
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	6	0.85
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	6	0.85
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	8	0.85
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	8	0.85
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	8	0.85
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	8	0.85
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	8	0.85
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	8	0.85
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	13	0.85
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	13	0.85
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	13	0.85
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	13	0.85
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	13	0.85
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	13	0.85
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB2	17	0.85
(1,5)	1:102:A:HIS:HD2	1:106:A:ASP:HB3	17	0.85
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	1	0.85
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	2	0.84
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	2	0.84
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	2	0.84
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	11	0.84
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	11	0.84
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	18	0.84
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	18	0.84
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	18	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	5	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	8	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	8	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	8	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	8	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	8	0.84
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	8	0.84
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	20	0.84
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	20	0.84
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	20	0.84
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	20	0.84
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	20	0.84
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	20	0.84
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	2	0.84
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	12	0.84
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	18	0.84
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	18	0.84
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	18	0.84
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	18	0.84
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	18	0.84
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	18	0.84
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	14	0.84
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	14	0.84
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	4	0.84
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	4	0.84
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	4	0.84
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	5	0.84
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	5	0.84
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	5	0.84
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG11	7	0.84
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG12	7	0.84
(1,2181)	1:127:A:VAL:H	1:127:A:VAL:HG13	7	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	4	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	4	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	4	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	7	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	7	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	7	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	16	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	16	0.84
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	16	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	5	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	5	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	11	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	11	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	11	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	11	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	11	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	11	0.84
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	11	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	6	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	6	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	10	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	10	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	10	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	10	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	10	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	10	0.84
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	10	0.84
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	17	0.84
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	17	0.84
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	17	0.84
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG21	10	0.84
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG22	10	0.84
(1,2014)	1:100:A:LEU:H	1:105:A:VAL:HG23	10	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	15	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	15	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	15	0.84
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	15	0.84
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	15	0.84
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	15	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	15	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	15	0.84
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	15	0.84
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	14	0.84
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	14	0.84
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	14	0.84
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	14	0.84
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	14	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	1	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	1	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	1	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	1	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	1	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	1	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	14	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	14	0.84
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	14	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	14	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	14	0.84
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	14	0.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	9	0.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	9	0.84
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	9	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	4	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	4	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	6	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	6	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	6	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	12	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	12	0.84
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	12	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	14	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	14	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	14	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD11	19	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD12	19	0.84
(1,1878)	1:122:A:LEU:H	1:122:A:LEU:HD13	19	0.84
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	7	0.84
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	7	0.84
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	7	0.84
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	9	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	9	0.84
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	9	0.84
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	9	0.84
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	9	0.84
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	9	0.84
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	9	0.84
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	9	0.84
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	9	0.84
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD11	13	0.84
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD12	13	0.84
(1,1849)	1:100:A:LEU:HB3	1:100:A:LEU:HD13	13	0.84
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	8	0.84
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	8	0.84
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	8	0.84
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	8	0.84
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	8	0.84
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	4	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	4	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	4	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	4	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	7	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	7	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	7	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	7	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	8	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	8	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	8	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	8	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	16	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	16	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	16	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	16	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	16	0.84
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	16	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	16	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	16	0.84
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	9	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	9	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	9	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	16	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	19	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	19	0.84
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	19	0.84
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	13	0.84
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	13	0.84
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	13	0.84
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	13	0.84
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	3	0.84
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	15	0.84
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	19	0.84
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	2	0.84
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	2	0.84
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	15	0.84
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	15	0.84
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	15	0.84
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	12	0.84
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	12	0.84
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	5	0.84
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	5	0.84
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	5	0.84
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	12	0.84
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	12	0.84
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	7	0.84
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	8	0.84
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	6	0.84
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	6	0.84
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	19	0.84
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	13	0.84
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	13	0.84
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	13	0.84
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	13	0.84
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	1	0.84
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	5	0.84
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	20	0.84
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	20	0.84
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	20	0.84
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	5	0.84
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	19	0.84
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	18	0.84
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	18	0.84
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	18	0.84
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	19	0.84
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	19	0.84
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	10	0.84
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	10	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	6	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	6	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	7	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	7	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	9	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	9	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	20	0.84
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	20	0.84
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	18	0.84
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	18	0.84
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	2	0.84
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	2	0.84
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	2	0.84
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	7	0.84
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	7	0.84
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	7	0.84
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	5	0.84
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	5	0.84
(1,1433)	1:153:A:GLY:HA2	1:154:A:ASN:H	12	0.84
(1,1433)	1:153:A:GLY:HA3	1:154:A:ASN:H	12	0.84
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	18	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	18	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	3	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	3	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	3	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	3	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	11	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	11	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	11	0.84
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	11	0.84
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	5	0.84
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	5	0.84
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	5	0.84
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	6	0.84
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	6	0.84
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	6	0.84
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	18	0.84
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	18	0.84
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	18	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	10	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	10	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	14	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	14	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB2	15	0.84
(1,1387)	1:133:A:ASP:H	1:133:A:ASP:HB3	15	0.84
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	1	0.84
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	1	0.84
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	8	0.84
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	8	0.84
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	8	0.84
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	8	0.84
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	8	0.84
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	8	0.84
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	12	0.84
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	12	0.84
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	18	0.84
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	18	0.84
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	20	0.84
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	20	0.84
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	16	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	3	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	3	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	8	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	8	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	8	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	17	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	17	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	17	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG21	20	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG22	20	0.84
(1,1246)	1:93:A:ILE:H	1:93:A:ILE:HG23	20	0.84
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	20	0.84
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	20	0.84
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	20	0.84
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	20	0.84
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	13	0.84
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	3	0.84
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	3	0.84
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	10	0.84
(1,1188)	1:14:A:GLN:HB2	1:15:A:ALA:H	9	0.84
(1,1188)	1:14:A:GLN:HB3	1:15:A:ALA:H	9	0.84
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	13	0.84
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	13	0.84
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	8	0.84
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	17	0.84
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	4	0.84
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	9	0.84
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	15	0.84
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	19	0.84
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	13	0.84
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	13	0.84
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	5	0.84
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	12	0.84
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	20	0.84
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	18	0.84
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	3	0.84
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	3	0.84
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	3	0.84
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	9	0.84
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	9	0.84
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	9	0.84
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	10	0.84
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	10	0.84
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	15	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	15	0.84
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	18	0.84
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	18	0.84
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	2	0.84
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	2	0.84
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	3	0.84
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	3	0.84
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	4	0.84
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	4	0.84
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	7	0.84
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	7	0.84
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	8	0.84
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	8	0.84
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	8	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	4	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	4	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	4	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	4	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	19	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	19	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	19	0.84
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	19	0.84
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	14	0.84
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	14	0.84
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	12	0.84
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	12	0.84
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	12	0.84
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	12	0.84
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	12	0.84
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	12	0.84
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	7	0.84
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	7	0.84
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	7	0.84
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	1	0.84
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	1	0.84
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	1	0.84
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	1	0.84
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	1	0.84
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	1	0.84
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	3	0.84
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	3	0.84
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	3	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	3	0.84
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	3	0.84
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	3	0.84
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	1	0.84
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	1	0.84
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	1	0.84
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	9	0.84
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	12	0.84
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	12	0.84
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	12	0.84
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	18	0.84
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	19	0.84
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	19	0.84
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	15	0.84
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	18	0.84
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	18	0.84
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	18	0.84
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	18	0.84
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	2	0.84
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	2	0.84
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	2	0.84
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	2	0.84
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	2	0.84
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	2	0.84
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	11	0.84
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	11	0.84
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	11	0.84
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	11	0.84
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	11	0.84
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	11	0.84
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	10	0.84
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	10	0.84
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	10	0.84
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	10	0.84
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	13	0.84
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	13	0.84
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	13	0.84
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	12	0.84
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	12	0.84
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	12	0.84
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	12	0.84
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	12	0.84
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	12	0.84
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	12	0.84
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	9	0.84
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	9	0.84
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	9	0.84
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	9	0.84
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	9	0.84
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	9	0.84
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	9	0.84
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	9	0.84
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	9	0.84
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	2	0.84
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	2	0.84
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	2	0.84
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	16	0.84
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	16	0.84
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	18	0.84
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	18	0.84
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	12	0.84
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	12	0.84
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	12	0.84
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	12	0.84
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	12	0.84
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	12	0.84
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	12	0.84
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	11	0.84
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	11	0.84
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	4	0.84
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	4	0.84
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	1	0.84
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	1	0.84
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	1	0.84
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	9	0.84
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	9	0.84
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	9	0.84
(1,440)	1:112:A:ALA:HB1	1:113:A:LEU:H	4	0.84
(1,440)	1:112:A:ALA:HB2	1:113:A:LEU:H	4	0.84
(1,440)	1:112:A:ALA:HB3	1:113:A:LEU:H	4	0.84
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	10	0.84
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	10	0.84
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	10	0.84
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	10	0.84
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	10	0.84
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	10	0.84
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	10	0.84
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	10	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	10	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	10	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	10	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	18	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	18	0.84
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	18	0.84
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	15	0.84
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	15	0.84
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	15	0.84
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	15	0.84
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	10	0.84
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	10	0.84
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	9	0.84
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	14	0.84
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	14	0.84
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	14	0.84
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	14	0.84
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	14	0.84
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	14	0.84
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	8	0.84
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	8	0.84
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	8	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	12	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	12	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	12	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	19	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	19	0.84
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	19	0.84
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	1	0.84
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	1	0.84
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	1	0.84
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	10	0.84
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	19	0.84
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	19	0.84
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	15	0.84
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	15	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	6	0.84
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	4	0.84
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	4	0.84
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	4	0.84
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	4	0.84
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	4	0.84
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	2	0.84
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	2	0.84
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	2	0.84
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	5	0.84
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	5	0.84
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	5	0.84
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	8	0.84
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	8	0.84
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	8	0.84
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	20	0.84
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	20	0.84
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	20	0.84
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	3	0.84
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	3	0.84
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	3	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	1	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	1	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	1	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	1	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	12	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	12	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	12	0.84
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	12	0.84
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	12	0.84
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	9	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	2	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	2	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	2	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	6	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	6	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	6	0.84
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	6	0.84
(1,36)	1:172:A:PHE:HD1	1:178:A:TRP:HZ2	12	0.84
(1,36)	1:172:A:PHE:HD2	1:178:A:TRP:HZ2	12	0.84
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	9	0.84
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	9	0.84
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	15	0.84
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	15	0.84
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	15	0.84
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	15	0.84
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	15	0.84
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	15	0.84
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	18	0.84
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	10	0.83
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	10	0.83
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	10	0.83
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	13	0.83
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	13	0.83
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	13	0.83
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	14	0.83
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	14	0.83
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	14	0.83
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	20	0.83
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	20	0.83
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	20	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	6	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	6	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	6	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	6	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	6	0.83
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	6	0.83
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	10	0.83
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	10	0.83
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	10	0.83
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	10	0.83
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	10	0.83
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	10	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:105:A:VAL:HG21	1:106:A:ASP:H	7	0.83
(1,2211)	1:105:A:VAL:HG22	1:106:A:ASP:H	7	0.83
(1,2211)	1:105:A:VAL:HG23	1:106:A:ASP:H	7	0.83
(1,2211)	1:105:A:VAL:HG11	1:106:A:ASP:H	7	0.83
(1,2211)	1:105:A:VAL:HG12	1:106:A:ASP:H	7	0.83
(1,2211)	1:105:A:VAL:HG13	1:106:A:ASP:H	7	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	4	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	4	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	4	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	6	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	6	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	6	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	8	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	8	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	8	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	9	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	9	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	9	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	10	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	10	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	10	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	11	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	11	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	11	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	14	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	14	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	14	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	15	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	15	0.83
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	15	0.83
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	3	0.83
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	3	0.83
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	3	0.83
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	9	0.83
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	9	0.83
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	9	0.83
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	12	0.83
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	12	0.83
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	12	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	4	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	4	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	4	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	6	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	6	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	6	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	15	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	15	0.83
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	15	0.83
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	6	0.83
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	6	0.83
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	6	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	1	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	1	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	1	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	8	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	8	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	8	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD21	9	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD22	9	0.83
(1,2146)	1:226:A:LEU:HB3	1:226:A:LEU:HD23	9	0.83
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	16	0.83
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	16	0.83
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	16	0.83
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	16	0.83
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	16	0.83
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	16	0.83
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	3	0.83
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	3	0.83
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	3	0.83
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	18	0.83
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	18	0.83
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	18	0.83
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	18	0.83
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	18	0.83
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	18	0.83
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	18	0.83
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	14	0.83
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	14	0.83
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	14	0.83
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	14	0.83
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	14	0.83
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	14	0.83
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	14	0.83
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	14	0.83
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	14	0.83
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	14	0.83
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	14	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	17	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	17	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	17	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	17	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	17	0.83
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	17	0.83
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	7	0.83
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	7	0.83
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	7	0.83
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	3	0.83
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	3	0.83
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	3	0.83
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	17	0.83
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	17	0.83
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	17	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	2	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	2	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	2	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	10	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	10	0.83
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	10	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	4	0.83
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	4	0.83
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	9	0.83
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	9	0.83
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	11	0.83
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	11	0.83
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	11	0.83
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	4	0.83
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	4	0.83
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	4	0.83
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	4	0.83
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	4	0.83
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	4	0.83
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	4	0.83
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	4	0.83
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	4	0.83
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	3	0.83
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	3	0.83
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	3	0.83
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	15	0.83
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	15	0.83
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	15	0.83
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	12	0.83
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	12	0.83
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	12	0.83
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	12	0.83
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	12	0.83
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	12	0.83
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	12	0.83
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	12	0.83
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	12	0.83
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	16	0.83
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	16	0.83
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	16	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	5	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	5	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	5	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD11	18	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD12	18	0.83
(1,1861)	1:184:A:LEU:HB2	1:184:A:LEU:HD13	18	0.83
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	6	0.83
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	6	0.83
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	6	0.83
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	6	0.83
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	6	0.83
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	6	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	1	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	1	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	1	0.83
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD11	1	0.83
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD12	1	0.83
(1,1827)	1:226:A:LEU:HB3	1:226:A:LEU:HD13	1	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD11	1	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD12	1	0.83
(1,1827)	1:226:A:LEU:HB2	1:226:A:LEU:HD13	1	0.83
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	19	0.83
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	19	0.83
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	19	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	4	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	4	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	4	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	6	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	6	0.83
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	6	0.83
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	11	0.83
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	11	0.83
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	11	0.83
(1,1741)	1:37:A:ALA:HB1	1:38:A:LYS:H	9	0.83
(1,1741)	1:37:A:ALA:HB2	1:38:A:LYS:H	9	0.83
(1,1741)	1:37:A:ALA:HB3	1:38:A:LYS:H	9	0.83
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	16	0.83
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	16	0.83
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	10	0.83
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	10	0.83
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	12	0.83
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	12	0.83
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	2	0.83
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	2	0.83
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	6	0.83
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	6	0.83
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG21	4	0.83
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG22	4	0.83
(1,1703)	1:59:A:ILE:H	1:59:A:ILE:HG23	4	0.83
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	8	0.83
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	8	0.83
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	8	0.83
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	17	0.83
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	17	0.83
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	17	0.83
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	2	0.83
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	2	0.83
(1,1662)	1:39:A:LEU:HB2	1:40:A:LYS:H	7	0.83
(1,1662)	1:39:A:LEU:HB3	1:40:A:LYS:H	7	0.83
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	9	0.83
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	10	0.83
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	11	0.83
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	13	0.83
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	12	0.83
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	12	0.83
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	11	0.83
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	11	0.83
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	8	0.83
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	11	0.83
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	18	0.83
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	17	0.83
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	1	0.83
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	5	0.83
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	7	0.83
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	10	0.83
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	11	0.83
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	13	0.83
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	13	0.83
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	19	0.83
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	17	0.83
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	17	0.83
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	17	0.83
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	17	0.83
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	8	0.83
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	16	0.83
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	19	0.83
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	6	0.83
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	10	0.83
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	8	0.83
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	8	0.83
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB1	15	0.83
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB2	15	0.83
(1,1471)	1:92:A:ARG:H	1:132:A:ALA:HB3	15	0.83
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	10	0.83
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	10	0.83
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	10	0.83
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	10	0.83
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	1	0.83
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	1	0.83
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	1	0.83
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	7	0.83
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	7	0.83
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	7	0.83
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	3	0.83
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	20	0.83
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	4	0.83
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	4	0.83
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	4	0.83
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	17	0.83
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	17	0.83
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	3	0.83
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	3	0.83
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	9	0.83
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	9	0.83
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	18	0.83
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	18	0.83
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	17	0.83
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	6	0.83
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	6	0.83
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	20	0.83
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	5	0.83
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	2	0.83
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	16	0.83
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	8	0.83
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	14	0.83
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	3	0.83
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	3	0.83
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG12	12	0.83
(1,1157)	1:231:A:ILE:H	1:231:A:ILE:HG13	12	0.83
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	4	0.83
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	5	0.83
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	20	0.83
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	2	0.83
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	2	0.83
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	11	0.83
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	11	0.83
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	11	0.83
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	1	0.83
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	6	0.83
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	16	0.83
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	12	0.83
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	15	0.83
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	9	0.83
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	9	0.83
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	9	0.83
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	18	0.83
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	18	0.83
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	18	0.83
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	18	0.83
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	20	0.83
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	20	0.83
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	2	0.83
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	2	0.83
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	2	0.83
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	2	0.83
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	2	0.83
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	16	0.83
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	16	0.83
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	16	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	9	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	9	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	17	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	17	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	17	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	19	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	19	0.83
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	19	0.83
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	18	0.83
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	18	0.83
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	18	0.83
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	16	0.83
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	16	0.83
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	16	0.83
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	16	0.83
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	2	0.83
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	13	0.83
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	13	0.83
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	10	0.83
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	10	0.83
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	10	0.83
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	10	0.83
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD1	10	0.83
(1,632)	1:83:A:LYS:HE2	1:238:A:TYR:HD2	10	0.83
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD1	10	0.83
(1,632)	1:83:A:LYS:HE3	1:238:A:TYR:HD2	10	0.83
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	11	0.83
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	11	0.83
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	11	0.83
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	6	0.83
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	6	0.83
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	10	0.83
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	10	0.83
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	10	0.83
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	15	0.83
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	15	0.83
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	7	0.83
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	7	0.83
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	13	0.83
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	13	0.83
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	13	0.83
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	1	0.83
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	1	0.83
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	3	0.83
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	3	0.83
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	3	0.83
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	7	0.83
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	7	0.83
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	7	0.83
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	7	0.83
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	7	0.83
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	7	0.83
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	7	0.83
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	7	0.83
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	7	0.83
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	10	0.83
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	10	0.83
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	10	0.83
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	10	0.83
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	10	0.83
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	10	0.83
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	17	0.83
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	17	0.83
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	16	0.83
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	16	0.83
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	16	0.83
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	16	0.83
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	20	0.83
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	5	0.83
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	5	0.83
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	5	0.83
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	5	0.83
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	5	0.83
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	5	0.83
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	1	0.83
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	1	0.83
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	1	0.83
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	1	0.83
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	1	0.83
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	1	0.83
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	7	0.83
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	7	0.83
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	7	0.83
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	5	0.83
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	5	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	5	0.83
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	5	0.83
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	5	0.83
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	5	0.83
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	6	0.83
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	6	0.83
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	6	0.83
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	6	0.83
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	5	0.83
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	5	0.83
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	16	0.83
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	16	0.83
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	16	0.83
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	13	0.83
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	13	0.83
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	13	0.83
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	13	0.83
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	13	0.83
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	13	0.83
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	13	0.83
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	13	0.83
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	13	0.83
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	15	0.83
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	15	0.83
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	15	0.83
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	15	0.83
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	15	0.83
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	15	0.83
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	4	0.83
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	4	0.83
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	4	0.83
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	4	0.83
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	16	0.83
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	16	0.83
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	16	0.83
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	19	0.83
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	19	0.83
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB2	5	0.83
(1,266)	1:44:A:LYS:H	1:44:A:LYS:HB3	5	0.83
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	16	0.83
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	16	0.83
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	16	0.83
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	16	0.83
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	16	0.83
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	16	0.83
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	4	0.83
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	4	0.83
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	4	0.83
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	4	0.83
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	14	0.83
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	14	0.83
(1,236)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	14	0.83
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	12	0.83
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	12	0.83
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	12	0.83
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	12	0.83
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	3	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	3	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	3	0.83
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	15	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	15	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	15	0.83
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	16	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	16	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	16	0.83
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	17	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	17	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	17	0.83
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	18	0.83
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	18	0.83
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	18	0.83
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	10	0.83
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	10	0.83
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	10	0.83
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	12	0.83
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	12	0.83
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	12	0.83
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	12	0.83
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	12	0.83
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	9	0.83
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	15	0.83
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	15	0.83
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	15	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	2	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	2	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	17	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	17	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	18	0.83
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	18	0.83
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	7	0.83
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	19	0.83
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	19	0.83
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	19	0.83
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	19	0.83
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	8	0.83
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	8	0.83
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	8	0.83
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD1	10	0.83
(1,32)	1:178:A:TRP:HE3	1:188:A:PHE:HD2	10	0.83
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	17	0.83
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	17	0.83
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	17	0.83
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	17	0.83
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	17	0.83
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	17	0.83
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	2	0.82
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	4	0.82
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	4	0.82
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	4	0.82
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	6	0.82
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	6	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	6	0.82
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	9	0.82
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	9	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	9	0.82
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	15	0.82
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	15	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	15	0.82
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	17	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	17	0.82
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	19	0.82
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	19	0.82
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	19	0.82
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	6	0.82
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	8	0.82
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	15	0.82
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	18	0.82
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	19	0.82
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	19	0.82
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	19	0.82
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	19	0.82
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	19	0.82
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	19	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	1	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	1	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	1	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	3	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	3	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	3	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	5	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	5	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	13	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	13	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	13	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	16	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	16	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	16	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	17	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	17	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	17	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	19	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	19	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	19	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	20	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	20	0.82
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	20	0.82
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	4	0.82
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	4	0.82
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	4	0.82
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	6	0.82
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	6	0.82
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	6	0.82
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	4	0.82
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	4	0.82
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	4	0.82
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	7	0.82
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	7	0.82
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	7	0.82
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	13	0.82
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	13	0.82
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	13	0.82
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	17	0.82
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	17	0.82
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	17	0.82
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	14	0.82
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	14	0.82
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	14	0.82
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	1	0.82
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	1	0.82
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG21	1:135:A:MET:HB3	1	0.82
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG22	1:135:A:MET:HB3	1	0.82
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB2	1	0.82
(1,2121)	1:94:A:VAL:HG23	1:135:A:MET:HB3	1	0.82
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	14	0.82
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	14	0.82
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	14	0.82
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	16	0.82
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	16	0.82
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	16	0.82
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	16	0.82
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	16	0.82
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	16	0.82
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	16	0.82
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	16	0.82
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	16	0.82
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	2	0.82
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	2	0.82
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	2	0.82
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	2	0.82
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	2	0.82
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	2	0.82
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	2	0.82
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	2	0.82
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	2	0.82
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	12	0.82
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	12	0.82
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	12	0.82
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	13	0.82
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	13	0.82
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	13	0.82
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	13	0.82
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	13	0.82
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	13	0.82
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	8	0.82
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	8	0.82
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	8	0.82
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	20	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	20	0.82
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	20	0.82
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	20	0.82
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	20	0.82
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	20	0.82
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	16	0.82
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	16	0.82
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	16	0.82
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	16	0.82
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	16	0.82
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	16	0.82
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	16	0.82
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	16	0.82
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	16	0.82
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	7	0.82
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	7	0.82
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	7	0.82
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	7	0.82
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	7	0.82
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	7	0.82
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	3	0.82
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	3	0.82
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	3	0.82
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	3	0.82
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	3	0.82
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	3	0.82
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	3	0.82
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	3	0.82
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	3	0.82
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	1	0.82
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	1	0.82
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	1	0.82
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	10	0.82
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	10	0.82
(1,1721)	1:68:A:GLY:H	1:156:A:LEU:H	3	0.82
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	5	0.82
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	5	0.82
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	9	0.82
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	12	0.82
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	2	0.82
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	14	0.82
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	5	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	5	0.82
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	3	0.82
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	6	0.82
(1,1659)	1:39:A:LEU:H	1:40:A:LYS:H	14	0.82
(1,1643)	1:62:A:MET:H	1:62:A:MET:HG3	5	0.82
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	13	0.82
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	20	0.82
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	1	0.82
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	5	0.82
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	14	0.82
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	16	0.82
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	16	0.82
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	16	0.82
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	16	0.82
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	3	0.82
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	13	0.82
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	20	0.82
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	11	0.82
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	11	0.82
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	14	0.82
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	14	0.82
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	20	0.82
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	20	0.82
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	3	0.82
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	7	0.82
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	2	0.82
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	2	0.82
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	2	0.82
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	8	0.82
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	8	0.82
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	8	0.82
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	1	0.82
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	20	0.82
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	20	0.82
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	20	0.82
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	2	0.82
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	2	0.82
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	16	0.82
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	16	0.82
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	13	0.82
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	13	0.82
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	5	0.82
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	5	0.82
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	4	0.82
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	4	0.82
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	4	0.82
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	17	0.82
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	17	0.82
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	17	0.82
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	8	0.82
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	9	0.82
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	9	0.82
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	9	0.82
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	9	0.82
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	4	0.82
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	20	0.82
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	14	0.82
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	14	0.82
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	19	0.82
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	19	0.82
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	8	0.82
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	16	0.82
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	16	0.82
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	16	0.82
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	16	0.82
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	2	0.82
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	2	0.82
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	7	0.82
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	7	0.82
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	17	0.82
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	17	0.82
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	19	0.82
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	19	0.82
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	15	0.82
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	5	0.82
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	17	0.82
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	16	0.82
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	16	0.82
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	16	0.82
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	17	0.82
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	17	0.82
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	18	0.82
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	5	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	2	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	10	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	14	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	15	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	16	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	17	0.82
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	19	0.82
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	5	0.82
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	5	0.82
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	5	0.82
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	7	0.82
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	13	0.82
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	2	0.82
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	11	0.82
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	11	0.82
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	6	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	3	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	3	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	3	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	14	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	14	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	14	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	20	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	20	0.82
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	20	0.82
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	14	0.82
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	14	0.82
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	14	0.82
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG12	2	0.82
(1,1038)	1:120:A:ILE:H	1:120:A:ILE:HG13	2	0.82
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	4	0.82
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	8	0.82
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	1	0.82
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	7	0.82
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	11	0.82
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	16	0.82
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	17	0.82
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	17	0.82
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	16	0.82
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	16	0.82
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	7	0.82
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	2	0.82
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	2	0.82
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	2	0.82
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	2	0.82
(1,906)	1:28:A:GLU:H	1:29:A:THR:H	15	0.82
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	17	0.82
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	17	0.82
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	7	0.82
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	7	0.82
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	8	0.82
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	8	0.82
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	8	0.82
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	8	0.82
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	19	0.82
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	19	0.82
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	19	0.82
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	19	0.82
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	19	0.82
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	19	0.82
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	6	0.82
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	6	0.82
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	1	0.82
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	1	0.82
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	1	0.82
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	8	0.82
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	8	0.82
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	8	0.82
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	8	0.82
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	8	0.82
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	8	0.82
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	13	0.82
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	13	0.82
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	13	0.82
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	3	0.82
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	3	0.82
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	3	0.82
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	3	0.82
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	1	0.82
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	1	0.82
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	10	0.82
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	10	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	13	0.82
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	13	0.82
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	10	0.82
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	10	0.82
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	10	0.82
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	10	0.82
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	10	0.82
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	10	0.82
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	10	0.82
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	10	0.82
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	10	0.82
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	15	0.82
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	15	0.82
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	15	0.82
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	15	0.82
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	15	0.82
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	15	0.82
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	19	0.82
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	19	0.82
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	19	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	4	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	4	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	4	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	19	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	19	0.82
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	19	0.82
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	18	0.82
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	18	0.82
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	15	0.82
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	15	0.82
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	9	0.82
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	9	0.82
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	9	0.82
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	6	0.82
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	3	0.82
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	4	0.82
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	15	0.82
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	15	0.82
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	16	0.82
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	16	0.82
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	16	0.82
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	16	0.82
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	16	0.82
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	5	0.82
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	5	0.82
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	5	0.82
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	9	0.82
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	9	0.82
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	9	0.82
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	9	0.82
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	9	0.82
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	9	0.82
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	2	0.82
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	2	0.82
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	2	0.82
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	2	0.82
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	2	0.82
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	2	0.82
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	17	0.82
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	17	0.82
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	17	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	6	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	6	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	6	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	11	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	11	0.82
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	11	0.82
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	4	0.82
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	4	0.82
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	4	0.82
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	13	0.82
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	13	0.82
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	13	0.82
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	1	0.82
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	1	0.82
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	1	0.82
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	2	0.82
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	2	0.82
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	17	0.82
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	17	0.82
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	17	0.82
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	17	0.82
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	17	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	17	0.82
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	17	0.82
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	17	0.82
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	17	0.82
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	1	0.82
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	1	0.82
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	1	0.82
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	1	0.82
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	17	0.82
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	17	0.82
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	17	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	1	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	1	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	1	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	4	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	4	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	4	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	9	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	9	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	9	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	10	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	10	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	10	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	11	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	11	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	11	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	13	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	13	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	13	0.82
(1,212)	1:142:A:ALA:HB1	1:143:A:HIS:H	19	0.82
(1,212)	1:142:A:ALA:HB2	1:143:A:HIS:H	19	0.82
(1,212)	1:142:A:ALA:HB3	1:143:A:HIS:H	19	0.82
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	20	0.82
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	20	0.82
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	20	0.82
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	20	0.82
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	20	0.82
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	20	0.82
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	19	0.82
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	19	0.82
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	19	0.82
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	19	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	19	0.82
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	19	0.82
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	6	0.82
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	8	0.82
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	19	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	1	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	1	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	1	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	2	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	2	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	2	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	3	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	3	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	3	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	4	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	4	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	4	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	5	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	5	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	5	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	6	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	6	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	6	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	7	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	7	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	7	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	8	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	8	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	8	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	9	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	9	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	9	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	10	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	10	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	10	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	11	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	11	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	11	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	12	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	12	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	12	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	13	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	13	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	14	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	14	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	14	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	15	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	15	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	15	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	16	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	16	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	16	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	17	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	17	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	17	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	18	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	18	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	18	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	19	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	19	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	19	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG21	20	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG22	20	0.82
(1,102)	1:103:A:ILE:HA	1:103:A:ILE:HG23	20	0.82
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	16	0.82
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	16	0.82
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	16	0.82
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	16	0.82
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	16	0.82
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	16	0.82
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	16	0.82
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	1	0.81
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	8	0.81
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	9	0.81
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	9	0.81
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	9	0.81
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	7	0.81
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	7	0.81
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	7	0.81
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	3	0.81
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	3	0.81
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	3	0.81
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	7	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	7	0.81
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	7	0.81
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	8	0.81
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	8	0.81
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	8	0.81
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	20	0.81
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	20	0.81
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	20	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	15	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	17	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	17	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	17	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	17	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	17	0.81
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	17	0.81
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	12	0.81
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	12	0.81
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	12	0.81
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	12	0.81
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	12	0.81
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	12	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	2	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	2	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	2	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	7	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	7	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	7	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	12	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	12	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	12	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG11	18	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG12	18	0.81
(1,2210)	1:105:A:VAL:H	1:105:A:VAL:HG13	18	0.81
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	18	0.81
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	18	0.81
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	18	0.81
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	16	0.81
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	16	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	9	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	9	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	9	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	10	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	10	0.81
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	10	0.81
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	13	0.81
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	13	0.81
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	13	0.81
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	9	0.81
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	9	0.81
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	9	0.81
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	15	0.81
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	15	0.81
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	15	0.81
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	15	0.81
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	15	0.81
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	15	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	1	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	1	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	1	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	20	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	20	0.81
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	20	0.81
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	2	0.81
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	2	0.81
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	2	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	16	0.81
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	16	0.81
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	8	0.81
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	8	0.81
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	8	0.81
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	11	0.81
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	11	0.81
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	11	0.81
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	11	0.81
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	11	0.81
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	11	0.81
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	11	0.81
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	11	0.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	17	0.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	17	0.81
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	17	0.81
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	6	0.81
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	6	0.81
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	6	0.81
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	6	0.81
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	9	0.81
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	9	0.81
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	9	0.81
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	9	0.81
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	9	0.81
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	9	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	14	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	14	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	14	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	14	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	14	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	14	0.81
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	14	0.81
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	14	0.81
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	14	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	16	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	16	0.81
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	16	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	16	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	16	0.81
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	16	0.81
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	16	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	16	0.81
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	16	0.81
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	9	0.81
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	9	0.81
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	9	0.81
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	5	0.81
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	5	0.81
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	5	0.81
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	18	0.81
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	18	0.81
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	18	0.81
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	4	0.81
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	4	0.81
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	3	0.81
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	11	0.81
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	11	0.81
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	3	0.81
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	3	0.81
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	14	0.81
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	14	0.81
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	16	0.81
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	16	0.81
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	11	0.81
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	11	0.81
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	15	0.81
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	15	0.81
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	17	0.81
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	16	0.81
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	20	0.81
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	4	0.81
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	4	0.81
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	4	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	1	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	1	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	1	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	6	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	6	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	6	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	8	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	8	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	8	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	13	0.81
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	13	0.81
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	6	0.81
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	6	0.81
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB2	6	0.81
(1,1628)	1:20:A:LYS:H	1:20:A:LYS:HB3	6	0.81
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	4	0.81
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	4	0.81
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	4	0.81
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	4	0.81
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	3	0.81
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	3	0.81
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	20	0.81
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	20	0.81
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	12	0.81
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	12	0.81
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	9	0.81
(1,1556)	1:200:A:LEU:HB2	1:201:A:GLY:H	11	0.81
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	4	0.81
(1,1518)	1:178:A:TRP:HA	1:186:A:ILE:H	16	0.81
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	10	0.81
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	10	0.81
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	13	0.81
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	13	0.81
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	1	0.81
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	2	0.81
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	12	0.81
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	12	0.81
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	19	0.81
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	19	0.81
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	11	0.81
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	11	0.81
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	10	0.81
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	10	0.81
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	10	0.81
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	13	0.81
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	13	0.81
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	19	0.81
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	19	0.81
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	19	0.81
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	19	0.81
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	11	0.81
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	12	0.81
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	9	0.81
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	15	0.81
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	15	0.81
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	1	0.81
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	1	0.81
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	1	0.81
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	1	0.81
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	18	0.81
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	18	0.81
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	18	0.81
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	18	0.81
(1,1269)	1:236:A:LYS:HG2	1:237:A:LEU:H	12	0.81
(1,1269)	1:236:A:LYS:HG3	1:237:A:LEU:H	12	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	3	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	7	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	8	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	9	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	12	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	18	0.81
(1,1229)	1:90:A:THR:HA	1:91:A:TYR:H	19	0.81
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	4	0.81
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	5	0.81
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	7	0.81
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	8	0.81
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	20	0.81
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	11	0.81
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	17	0.81
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	17	0.81
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	11	0.81
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	11	0.81
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	11	0.81
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	17	0.81
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	17	0.81
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	17	0.81
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	4	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	2	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	4	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	8	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	9	0.81
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	17	0.81
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	16	0.81
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	16	0.81
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	16	0.81
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	4	0.81
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	4	0.81
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	4	0.81
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	3	0.81
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	3	0.81
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	3	0.81
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	3	0.81
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	14	0.81
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	14	0.81
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	14	0.81
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	14	0.81
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	13	0.81
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	13	0.81
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	19	0.81
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	19	0.81
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	5	0.81
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	5	0.81
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	5	0.81
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	13	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	4	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	4	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	4	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	4	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	4	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	4	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	15	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	15	0.81
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	15	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	15	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	15	0.81
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	15	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	4	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	4	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	4	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	15	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	15	0.81
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	15	0.81
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	8	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	8	0.81
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	8	0.81
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	8	0.81
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	8	0.81
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	8	0.81
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	18	0.81
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	18	0.81
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	18	0.81
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	18	0.81
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	18	0.81
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	18	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	15	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	15	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	15	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	19	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	19	0.81
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	19	0.81
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	2	0.81
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	3	0.81
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	3	0.81
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	3	0.81
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	3	0.81
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	3	0.81
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	3	0.81
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	19	0.81
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	19	0.81
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	20	0.81
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	20	0.81
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	2	0.81
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	2	0.81
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	2	0.81
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	2	0.81
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	2	0.81
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	2	0.81
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	2	0.81
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	2	0.81
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	2	0.81
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	14	0.81
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	14	0.81
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	14	0.81
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	14	0.81
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	14	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	14	0.81
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	17	0.81
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	17	0.81
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	17	0.81
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	17	0.81
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	17	0.81
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	17	0.81
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	20	0.81
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	20	0.81
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	20	0.81
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	13	0.81
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	13	0.81
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	6	0.81
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	9	0.81
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	17	0.81
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	17	0.81
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	5	0.81
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	5	0.81
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	5	0.81
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	11	0.81
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	11	0.81
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	11	0.81
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	11	0.81
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	11	0.81
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	11	0.81
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	11	0.81
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	14	0.81
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	14	0.81
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	14	0.81
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	15	0.81
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	15	0.81
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	15	0.81
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	15	0.81
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	15	0.81
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	15	0.81
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	2	0.81
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	2	0.81
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	2	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	2	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	2	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	2	0.81
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	6	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	6	0.81
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	6	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	6	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	6	0.81
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	6	0.81
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	1	0.81
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	1	0.81
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	1	0.81
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	1	0.81
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	1	0.81
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	1	0.81
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	9	0.81
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	9	0.81
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	9	0.81
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	2	0.81
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	2	0.81
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	2	0.81
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	2	0.81
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	2	0.81
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	2	0.81
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	15	0.81
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	15	0.81
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	15	0.81
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	15	0.81
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	15	0.81
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	15	0.81
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	12	0.81
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	12	0.81
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	17	0.81
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	17	0.81
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	4	0.81
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	4	0.81
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	6	0.81
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	16	0.81
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	16	0.81
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	16	0.81
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	16	0.81
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	16	0.81
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	16	0.81
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG21	3	0.81
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG22	3	0.81
(1,337)	1:91:A:TYR:HB3	1:134:A:ILE:HG23	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	18	0.81
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	18	0.81
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	18	0.81
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	18	0.81
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	11	0.81
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	11	0.81
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	11	0.81
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	10	0.81
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	10	0.81
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	10	0.81
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	10	0.81
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	10	0.81
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	10	0.81
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	6	0.81
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	6	0.81
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	6	0.81
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	6	0.81
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	6	0.81
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	6	0.81
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	20	0.81
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	20	0.81
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	20	0.81
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	20	0.81
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	20	0.81
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	20	0.81
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	11	0.81
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	11	0.81
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	11	0.81
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	11	0.81
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	11	0.81
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	11	0.81
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	12	0.81
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	12	0.81
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	12	0.81
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	13	0.81
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	13	0.81
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	9	0.81
(1,295)	1:63:A:GLN:HG2	1:64:A:LYS:H	9	0.81
(1,295)	1:63:A:GLN:HG3	1:64:A:LYS:H	9	0.81
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	16	0.81
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	4	0.81
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	12	0.81
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	12	0.81
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	12	0.81
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	15	0.81
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	15	0.81
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	15	0.81
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	7	0.81
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	7	0.81
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	7	0.81
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	7	0.81
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	7	0.81
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	7	0.81
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	4	0.81
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	4	0.81
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	9	0.81
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	9	0.81
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	9	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	10	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	10	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	10	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	10	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	18	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	18	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	18	0.81
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	18	0.81
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	15	0.81
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	15	0.81
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	15	0.81
(1,167)	1:157:A:ALA:HB1	1:158:A:HIS:H	15	0.81
(1,167)	1:157:A:ALA:HB2	1:158:A:HIS:H	15	0.81
(1,167)	1:157:A:ALA:HB3	1:158:A:HIS:H	15	0.81
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	20	0.81
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	20	0.81
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	20	0.81
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	20	0.81
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	20	0.81
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	7	0.81
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	10	0.81
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	10	0.81
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	10	0.81
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	8	0.81
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	8	0.81
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	16	0.81
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	5	0.8
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	5	0.8
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	5	0.8
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	1	0.8
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	1	0.8
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	1	0.8
(1,2232)	1:196:A:LEU:HD21	1:197:A:GLY:H	12	0.8
(1,2232)	1:196:A:LEU:HD22	1:197:A:GLY:H	12	0.8
(1,2232)	1:196:A:LEU:HD23	1:197:A:GLY:H	12	0.8
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	4	0.8
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	7	0.8
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	9	0.8
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	13	0.8
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	14	0.8
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	14	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	14	0.8
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	14	0.8
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	14	0.8
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	14	0.8
(1,2206)	1:89:A:VAL:HG11	1:90:A:THR:H	17	0.8
(1,2206)	1:89:A:VAL:HG12	1:90:A:THR:H	17	0.8
(1,2206)	1:89:A:VAL:HG13	1:90:A:THR:H	17	0.8
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	7	0.8
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	7	0.8
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	7	0.8
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	20	0.8
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	20	0.8
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	20	0.8
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	10	0.8
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	10	0.8
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	10	0.8
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	18	0.8
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	18	0.8
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	18	0.8
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	17	0.8
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	17	0.8
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	17	0.8
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	13	0.8
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	13	0.8
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	13	0.8
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	5	0.8
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	5	0.8
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	5	0.8
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	5	0.8
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	5	0.8
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	5	0.8
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	19	0.8
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	19	0.8
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	19	0.8
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	19	0.8
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	19	0.8
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	19	0.8
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	4	0.8
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	4	0.8
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	4	0.8
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	10	0.8
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	10	0.8
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	10	0.8
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	10	0.8
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	10	0.8
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	10	0.8
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	10	0.8
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	10	0.8
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	15	0.8
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	15	0.8
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	15	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	8	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	8	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	8	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	11	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	11	0.8
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	11	0.8
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	5	0.8
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	5	0.8
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	5	0.8
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	5	0.8
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	5	0.8
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	5	0.8
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	5	0.8
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	5	0.8
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	5	0.8
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	9	0.8
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	9	0.8
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	9	0.8
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG21	4	0.8
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG22	4	0.8
(1,2008)	1:48:A:LEU:HD21	1:58:A:VAL:HG23	4	0.8
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG21	4	0.8
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG22	4	0.8
(1,2008)	1:48:A:LEU:HD22	1:58:A:VAL:HG23	4	0.8
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG21	4	0.8
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG22	4	0.8
(1,2008)	1:48:A:LEU:HD23	1:58:A:VAL:HG23	4	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	9	0.8
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	9	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	5	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	5	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	5	0.8
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	5	0.8
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	5	0.8
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	5	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	5	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	5	0.8
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	5	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	10	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	10	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	10	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	10	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	10	0.8
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	10	0.8
(1,1894)	1:69:A:VAL:HG21	1:158:A:HIS:HB2	15	0.8
(1,1894)	1:69:A:VAL:HG22	1:158:A:HIS:HB2	15	0.8
(1,1894)	1:69:A:VAL:HG23	1:158:A:HIS:HB2	15	0.8
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	11	0.8
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	11	0.8
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	11	0.8
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	11	0.8
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	11	0.8
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	11	0.8
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	17	0.8
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	17	0.8
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	17	0.8
(1,1786)	1:49:A:PRO:HG2	1:50:A:ILE:H	4	0.8
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	19	0.8
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	19	0.8
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	6	0.8
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	6	0.8
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	6	0.8
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	6	0.8
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	8	0.8
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	8	0.8
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	9	0.8
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	12	0.8
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	8	0.8
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	8	0.8
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	8	0.8
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	13	0.8
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	5	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	5	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	5	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	7	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	7	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	7	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	15	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	16	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	16	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	16	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	20	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	20	0.8
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	20	0.8
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	15	0.8
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	15	0.8
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	9	0.8
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	12	0.8
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	10	0.8
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	10	0.8
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	10	0.8
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	16	0.8
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	16	0.8
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	11	0.8
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	16	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	5	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	5	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	12	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	12	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	18	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	18	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	20	0.8
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	20	0.8
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	15	0.8
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	15	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	9	0.8
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	9	0.8
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	9	0.8
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	20	0.8
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	17	0.8
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	17	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	1	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	1	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	1	0.8
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	1	0.8
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	2	0.8
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	2	0.8
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	4	0.8
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	17	0.8
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	18	0.8
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	18	0.8
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	15	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	8	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	8	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	8	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	12	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	12	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	12	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	16	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	16	0.8
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	16	0.8
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	9	0.8
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	9	0.8
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	8	0.8
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	8	0.8
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	14	0.8
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	14	0.8
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	2	0.8
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	7	0.8
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	17	0.8
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	17	0.8
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	1	0.8
(1,1280)	1:103:A:ILE:H	1:104:A:THR:H	8	0.8
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	9	0.8
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	9	0.8
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	9	0.8
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	9	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	18	0.8
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	18	0.8
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	18	0.8
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	3	0.8
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	19	0.8
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	19	0.8
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	4	0.8
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	3	0.8
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	18	0.8
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	2	0.8
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	3	0.8
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	5	0.8
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	5	0.8
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	5	0.8
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	7	0.8
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	8	0.8
(1,1043)	1:135:A:MET:H	1:170:A:ALA:H	18	0.8
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	13	0.8
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	7	0.8
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	13	0.8
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	3	0.8
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	5	0.8
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	6	0.8
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	13	0.8
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	8	0.8
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	8	0.8
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	8	0.8
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	17	0.8
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	17	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	1	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	1	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	1	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	1	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	11	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	11	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	11	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	11	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	15	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	15	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	15	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	15	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	16	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	16	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	16	0.8
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	16	0.8
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	16	0.8
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	1	0.8
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	1	0.8
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	1	0.8
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	1	0.8
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB1	8	0.8
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB2	8	0.8
(1,840)	1:178:A:TRP:HE3	1:191:A:ALA:HB3	8	0.8
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE1	17	0.8
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE2	17	0.8
(1,830)	1:202:A:MET:HB2	1:202:A:MET:HE3	17	0.8
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE1	17	0.8
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE2	17	0.8
(1,830)	1:202:A:MET:HB3	1:202:A:MET:HE3	17	0.8
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	12	0.8
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	12	0.8
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	12	0.8
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	12	0.8
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	12	0.8
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	12	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	7	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	7	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	7	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	7	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	7	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	7	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	10	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	10	0.8
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	10	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	10	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	10	0.8
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	10	0.8
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	18	0.8
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	18	0.8
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	18	0.8
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	1	0.8
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	1	0.8
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	1	0.8
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	1	0.8
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	1	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	5	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	5	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	5	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	7	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	7	0.8
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	7	0.8
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	20	0.8
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE1	4	0.8
(1,756)	1:120:A:ILE:HD11	1:238:A:TYR:HE2	4	0.8
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE1	4	0.8
(1,756)	1:120:A:ILE:HD12	1:238:A:TYR:HE2	4	0.8
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE1	4	0.8
(1,756)	1:120:A:ILE:HD13	1:238:A:TYR:HE2	4	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	1	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	1	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	2	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	2	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	5	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	5	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	9	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	9	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	12	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	12	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	17	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	17	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	19	0.8
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	19	0.8
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	6	0.8
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	6	0.8
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	6	0.8
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	6	0.8
(1,738)	1:102:A:HIS:HD2	1:105:A:VAL:HB	12	0.8
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	2	0.8
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	2	0.8
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	14	0.8
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	14	0.8
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	14	0.8
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	19	0.8
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	19	0.8
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	2	0.8
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	2	0.8
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	2	0.8
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	7	0.8
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	7	0.8
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	7	0.8
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	10	0.8
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	10	0.8
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	10	0.8
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	1	0.8
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	1	0.8
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	1	0.8
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	10	0.8
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	10	0.8
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	10	0.8
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	13	0.8
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	13	0.8
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	13	0.8
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	13	0.8
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	13	0.8
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	13	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	9	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	9	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	9	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	13	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	13	0.8
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	13	0.8
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	1	0.8
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	1	0.8
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	9	0.8
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	9	0.8
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	8	0.8
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	8	0.8
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	8	0.8
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	15	0.8
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	15	0.8
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	18	0.8
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	18	0.8
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	18	0.8
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	18	0.8
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	18	0.8
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	18	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	6	0.8
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	10	0.8
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	10	0.8
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	10	0.8
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	10	0.8
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	10	0.8
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	10	0.8
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	13	0.8
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	18	0.8
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	18	0.8
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	18	0.8
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	18	0.8
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	18	0.8
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	18	0.8
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	13	0.8
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	13	0.8
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	13	0.8
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	13	0.8
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	13	0.8
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	13	0.8
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	13	0.8
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	13	0.8
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	13	0.8
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	11	0.8
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	11	0.8
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	11	0.8
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	2	0.8
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	2	0.8
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	18	0.8
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	18	0.8
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	16	0.8
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	16	0.8
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	16	0.8
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	16	0.8
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	12	0.8
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	12	0.8
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	12	0.8
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	12	0.8
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	12	0.8
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	8	0.8
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	8	0.8
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	8	0.8
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	8	0.8
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	8	0.8
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	8	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	13	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	13	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	13	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	13	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	16	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	16	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	16	0.8
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	16	0.8
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	12	0.8
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	18	0.8
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	19	0.8
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	19	0.8
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	19	0.8
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	19	0.8
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	19	0.8
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	19	0.8
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	19	0.8
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	19	0.8
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	19	0.8
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	6	0.8
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	6	0.8
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	6	0.8
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	6	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	6	0.8
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	6	0.8
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	14	0.8
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	14	0.8
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	4	0.8
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	4	0.8
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	4	0.8
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	7	0.8
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	7	0.8
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	7	0.8
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	7	0.8
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	7	0.8
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	7	0.8
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	10	0.8
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	10	0.8
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	10	0.8
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	17	0.8
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	17	0.8
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	17	0.8
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	17	0.8
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	17	0.8
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	17	0.8
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	20	0.8
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	19	0.8
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	15	0.8
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	15	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	3	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	6	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	8	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	9	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	10	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	11	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	14	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	17	0.8
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	20	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	10	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	10	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	12	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	12	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	20	0.8
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	20	0.8
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	3	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	10	0.79
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	8	0.79
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	8	0.79
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	8	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	10	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	10	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	10	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	10	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	10	0.79
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	10	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	2	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	3	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	5	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	11	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	16	0.79
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	17	0.79
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	17	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	17	0.79
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	17	0.79
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	17	0.79
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	17	0.79
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	2	0.79
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	2	0.79
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	2	0.79
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	20	0.79
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	20	0.79
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	20	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	6	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	6	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	6	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	6	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	6	0.79
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	6	0.79
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	14	0.79
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	14	0.79
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	14	0.79
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	14	0.79
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	14	0.79
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	14	0.79
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	14	0.79
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	14	0.79
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	14	0.79
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	17	0.79
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	17	0.79
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	17	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	20	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	20	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	20	0.79
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	20	0.79
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	20	0.79
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	20	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	20	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	20	0.79
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	20	0.79
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	3	0.79
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	3	0.79
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	3	0.79
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	3	0.79
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	3	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	3	0.79
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	3	0.79
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	3	0.79
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	3	0.79
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	6	0.79
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	6	0.79
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	6	0.79
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	18	0.79
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	18	0.79
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	18	0.79
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	16	0.79
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	16	0.79
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	16	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	11	0.79
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	11	0.79
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	10	0.79
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	10	0.79
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	10	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	1	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	1	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	1	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	1	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	2	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	2	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	2	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	2	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	2	0.79
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	2	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	2	0.79
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	2	0.79
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	2	0.79
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	2	0.79
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	2	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	14	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	14	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	14	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	14	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	14	0.79
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	14	0.79
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	4	0.79
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	4	0.79
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	4	0.79
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	15	0.79
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	15	0.79
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	15	0.79
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	15	0.79
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	15	0.79
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	15	0.79
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	18	0.79
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	18	0.79
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	18	0.79
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	18	0.79
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	18	0.79
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	18	0.79
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	1	0.79
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	1	0.79
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	1	0.79
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	1	0.79
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	1	0.79
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	1	0.79
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	9	0.79
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	9	0.79
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	9	0.79
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	11	0.79
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	11	0.79
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	11	0.79
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	11	0.79
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	11	0.79
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	11	0.79
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	11	0.79
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	11	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	11	0.79
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	14	0.79
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	14	0.79
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	14	0.79
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	14	0.79
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	14	0.79
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	14	0.79
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	3	0.79
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	3	0.79
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	3	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	15	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	15	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	15	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	19	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	19	0.79
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	19	0.79
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB2	20	0.79
(1,1742)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	0.79
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	17	0.79
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	17	0.79
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	7	0.79
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	7	0.79
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	3	0.79
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	3	0.79
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	3	0.79
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	5	0.79
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	5	0.79
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	18	0.79
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	5	0.79
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	5	0.79
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	5	0.79
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	1	0.79
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	8	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	14	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	14	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	14	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	18	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	18	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	18	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	19	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	19	0.79
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	6	0.79
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	15	0.79
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	5	0.79
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	5	0.79
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	5	0.79
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	20	0.79
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	20	0.79
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	13	0.79
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	13	0.79
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	6	0.79
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	6	0.79
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	4	0.79
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	9	0.79
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	16	0.79
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	13	0.79
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	3	0.79
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	3	0.79
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	3	0.79
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	7	0.79
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	7	0.79
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	10	0.79
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	10	0.79
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	2	0.79
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	4	0.79
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	4	0.79
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	4	0.79
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	4	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	15	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	15	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	15	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	15	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	20	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	20	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	20	0.79
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	20	0.79
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	18	0.79
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	2	0.79
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	2	0.79
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	11	0.79
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	11	0.79
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	19	0.79
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	6	0.79
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	10	0.79
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	10	0.79
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	17	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	4	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	4	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	5	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	5	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	7	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	7	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	9	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	9	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	12	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	12	0.79
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	20	0.79
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	20	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	13	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	13	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	13	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	13	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	15	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	15	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	15	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	15	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	19	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	19	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	19	0.79
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	19	0.79
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	17	0.79
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	17	0.79
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	17	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	3	0.79
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	3	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	3	0.79
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	3	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	6	0.79
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	6	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	6	0.79
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	6	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	12	0.79
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	12	0.79
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	12	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	6	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	6	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	6	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	7	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	7	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	7	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	11	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	11	0.79
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	11	0.79
(1,1268)	1:237:A:LEU:H	1:237:A:LEU:HB3	7	0.79
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	11	0.79
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	18	0.79
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	9	0.79
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	13	0.79
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	9	0.79
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	13	0.79
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	3	0.79
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	3	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	1	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	5	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	7	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	11	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	15	0.79
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	16	0.79
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	1	0.79
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	16	0.79
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	14	0.79
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	16	0.79
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	14	0.79
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	2	0.79
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	5	0.79
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	5	0.79
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	5	0.79
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	12	0.79
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	19	0.79
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	2	0.79
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	12	0.79
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	19	0.79
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	20	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	7	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	7	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	7	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	10	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	10	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	10	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	10	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	20	0.79
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	20	0.79
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	20	0.79
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	20	0.79
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	20	0.79
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	3	0.79
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	3	0.79
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	3	0.79
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	3	0.79
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	3	0.79
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	3	0.79
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	18	0.79
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	18	0.79
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	18	0.79
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	18	0.79
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	18	0.79
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	18	0.79
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	17	0.79
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	17	0.79
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	17	0.79
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	11	0.79
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	11	0.79
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	11	0.79
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	11	0.79
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	11	0.79
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	11	0.79
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	12	0.79
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	12	0.79
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	12	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	6	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	6	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	6	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	19	0.79
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	19	0.79
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	11	0.79
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	11	0.79
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	14	0.79
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	14	0.79
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	13	0.79
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	13	0.79
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	9	0.79
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	9	0.79
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	19	0.79
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	19	0.79
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	19	0.79
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	19	0.79
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG12	9	0.79
(1,649)	1:42:A:MET:HE1	1:61:A:ILE:HG13	9	0.79
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG12	9	0.79
(1,649)	1:42:A:MET:HE2	1:61:A:ILE:HG13	9	0.79
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG12	9	0.79
(1,649)	1:42:A:MET:HE3	1:61:A:ILE:HG13	9	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	13	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	13	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	13	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	14	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	14	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	14	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	15	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	15	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	15	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	17	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	17	0.79
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	17	0.79
(1,633)	1:19:A:LEU:HB3	1:20:A:LYS:H	7	0.79
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	15	0.79
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	15	0.79
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	16	0.79
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	16	0.79
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	16	0.79
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	16	0.79
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	16	0.79
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	16	0.79
(1,579)	1:89:A:VAL:HB	1:124:A:PHE:HA	9	0.79
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	7	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	3	0.79
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	3	0.79
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	3	0.79
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	17	0.79
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	19	0.79
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	19	0.79
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	19	0.79
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	17	0.79
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	17	0.79
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	17	0.79
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	17	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	8	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	8	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	8	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	8	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	8	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	8	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	14	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	14	0.79
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	14	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	14	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	14	0.79
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	14	0.79
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	10	0.79
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	10	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	5	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	5	0.79
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	5	0.79
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	5	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	13	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	13	0.79
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	13	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	13	0.79
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	13	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	13	0.79
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	13	0.79
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	13	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	13	0.79
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	14	0.79
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	14	0.79
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	11	0.79
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	11	0.79
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	11	0.79
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	2	0.79
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	2	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	2	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	2	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	2	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	2	0.79
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	11	0.79
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	11	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	11	0.79
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	11	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	11	0.79
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	11	0.79
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	15	0.79
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	15	0.79
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	15	0.79
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	15	0.79
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	16	0.79
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	16	0.79
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	16	0.79
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	16	0.79
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	13	0.79
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	13	0.79
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	6	0.79
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	10	0.79
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	1	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	2	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	4	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	5	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	7	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	12	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	13	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	15	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	16	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	18	0.79
(1,105)	1:131:A:THR:HA	1:132:A:ALA:H	19	0.79
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	18	0.79
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	18	0.79
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	16	0.79
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	16	0.79
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	14	0.79
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	14	0.79
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	4	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	13	0.78
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	13	0.78
(1,2214)	1:109:A:VAL:HG11	1:110:A:SER:H	1	0.78
(1,2214)	1:109:A:VAL:HG12	1:110:A:SER:H	1	0.78
(1,2214)	1:109:A:VAL:HG13	1:110:A:SER:H	1	0.78
(1,2214)	1:109:A:VAL:HG21	1:110:A:SER:H	1	0.78
(1,2214)	1:109:A:VAL:HG22	1:110:A:SER:H	1	0.78
(1,2214)	1:109:A:VAL:HG23	1:110:A:SER:H	1	0.78
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	2	0.78
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	2	0.78
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	2	0.78
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	13	0.78
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	13	0.78
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	13	0.78
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	9	0.78
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	9	0.78
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	9	0.78
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	2	0.78
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	2	0.78
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	2	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	10	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	10	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	10	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	10	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	10	0.78
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	10	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	10	0.78
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	10	0.78
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	10	0.78
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	10	0.78
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	10	0.78
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	10	0.78
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	8	0.78
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	8	0.78
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	8	0.78
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	8	0.78
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	8	0.78
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	8	0.78
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	12	0.78
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	12	0.78
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	12	0.78
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	12	0.78
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	12	0.78
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	12	0.78
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	12	0.78
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	5	0.78
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	5	0.78
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	5	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	17	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	17	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	17	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	17	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	17	0.78
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	17	0.78
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	17	0.78
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	17	0.78
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	17	0.78
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	17	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	17	0.78
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	17	0.78
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	17	0.78
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	16	0.78
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	16	0.78
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	16	0.78
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	15	0.78
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	15	0.78
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	15	0.78
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	20	0.78
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	20	0.78
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	20	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	1	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	2	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	7	0.78
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	7	0.78
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	5	0.78
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	5	0.78
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	5	0.78
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	5	0.78
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	5	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	2	0.78
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	2	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	17	0.78
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	17	0.78
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	17	0.78
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	3	0.78
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	3	0.78
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	3	0.78
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	3	0.78
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	3	0.78
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	16	0.78
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	16	0.78
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	16	0.78
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	16	0.78
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	16	0.78
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	16	0.78
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	16	0.78
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	16	0.78
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	16	0.78
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	16	0.78
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	16	0.78
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	4	0.78
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	4	0.78
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	4	0.78
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	4	0.78
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	4	0.78
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	4	0.78
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	8	0.78
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	8	0.78
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	8	0.78
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	20	0.78
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	20	0.78
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	20	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	5	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	5	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	5	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	7	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	7	0.78
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:68:A:GLY:HA3	1:157:A:ALA:H	10	0.78
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	15	0.78
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	19	0.78
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	12	0.78
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	12	0.78
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	4	0.78
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	4	0.78
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	4	0.78
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	14	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	4	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	4	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	4	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	18	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	18	0.78
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	18	0.78
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	13	0.78
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	13	0.78
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	0.78
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	20	0.78
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	13	0.78
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	13	0.78
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	6	0.78
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	6	0.78
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	9	0.78
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	9	0.78
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	13	0.78
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	13	0.78
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	9	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	3	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	3	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	3	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	10	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	10	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	10	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	11	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	11	0.78
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	11	0.78
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	14	0.78
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	14	0.78
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	16	0.78
(1,1630)	1:17:A:ASP:HA	1:20:A:LYS:H	14	0.78
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	9	0.78
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	9	0.78
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB2	9	0.78
(1,1619)	1:16:A:GLN:H	1:16:A:GLN:HB3	9	0.78
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	12	0.78
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	12	0.78
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	8	0.78
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	14	0.78
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	7	0.78
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	7	0.78
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	7	0.78
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	4	0.78
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	4	0.78
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	15	0.78
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	15	0.78
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	15	0.78
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	15	0.78
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG2	1	0.78
(1,1487)	1:176:A:GLU:H	1:176:A:GLU:HG3	1	0.78
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	4	0.78
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	4	0.78
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	15	0.78
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	15	0.78
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	15	0.78
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	1	0.78
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	1	0.78
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	1	0.78
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	3	0.78
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	3	0.78
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	3	0.78
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	5	0.78
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	5	0.78
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	5	0.78
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	17	0.78
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	17	0.78
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	17	0.78
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	18	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	2	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	2	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	2	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	2	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	15	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	15	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	15	0.78
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	15	0.78
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	6	0.78
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	6	0.78
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	20	0.78
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	20	0.78
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	10	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	10	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	10	0.78
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	10	0.78
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	8	0.78
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	8	0.78
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	18	0.78
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	18	0.78
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	20	0.78
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	20	0.78
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB2	2	0.78
(1,1329)	1:116:A:TRP:HE1	1:196:A:LEU:HB3	2	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	1	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	1	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	2	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	2	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	3	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	3	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	6	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	6	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	8	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	8	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	10	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	10	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	11	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	11	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	14	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	14	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	16	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	16	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	17	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	17	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	18	0.78
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	18	0.78
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	19	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	6	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	6	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	6	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	6	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	10	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	10	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	10	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	10	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	12	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	12	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	12	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	12	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	17	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	17	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	17	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	17	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	18	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	18	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	18	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	18	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	20	0.78
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	20	0.78
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	15	0.78
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	15	0.78
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	15	0.78
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	2	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	2	0.78
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	2	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	2	0.78
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	5	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	5	0.78
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	5	0.78
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	5	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	1	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	1	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	1	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	9	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	9	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	9	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	15	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	15	0.78
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	15	0.78
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	7	0.78
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	12	0.78
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	2	0.78
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	12	0.78
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	6	0.78
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	5	0.78
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	5	0.78
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	5	0.78
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	2	0.78
(1,1191)	1:55:A:ASN:H	1:59:A:ILE:H	2	0.78
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	1	0.78
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	6	0.78
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	1	0.78
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	1	0.78
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	16	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	4	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	6	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	8	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	9	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	10	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	12	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	13	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	14	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	18	0.78
(1,1127)	1:188:A:PHE:H	1:189:A:LEU:H	20	0.78
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	5	0.78
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	19	0.78
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	19	0.78
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	14	0.78
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	16	0.78
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	2	0.78
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	16	0.78
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	9	0.78
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	10	0.78
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	18	0.78
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	5	0.78
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	7	0.78
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	18	0.78
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD11	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD12	3	0.78
(1,994)	1:93:A:ILE:H	1:93:A:ILE:HD13	3	0.78
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	11	0.78
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	11	0.78
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	14	0.78
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	14	0.78
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	13	0.78
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	13	0.78
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	13	0.78
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	13	0.78
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	1	0.78
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	1	0.78
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	20	0.78
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	20	0.78
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	16	0.78
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	16	0.78
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	16	0.78
(1,831)	1:202:A:MET:HE1	1:234:A:ILE:H	20	0.78
(1,831)	1:202:A:MET:HE2	1:234:A:ILE:H	20	0.78
(1,831)	1:202:A:MET:HE3	1:234:A:ILE:H	20	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	12	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	12	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	12	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	12	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	12	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	12	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	18	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	18	0.78
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	18	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	18	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	18	0.78
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	18	0.78
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	11	0.78
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	11	0.78
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	11	0.78
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	4	0.78
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	4	0.78
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	4	0.78
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	20	0.78
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	20	0.78
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	4	0.78
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	4	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	4	0.78
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	4	0.78
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB2	20	0.78
(1,689)	1:28:A:GLU:H	1:28:A:GLU:HB3	20	0.78
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	17	0.78
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	17	0.78
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	17	0.78
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	17	0.78
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	17	0.78
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	17	0.78
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	8	0.78
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	3	0.78
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	3	0.78
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	3	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	5	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	5	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	5	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	6	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	6	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	6	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	8	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	8	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	8	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	11	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	11	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	11	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	12	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	12	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	12	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB1	18	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB2	18	0.78
(1,641)	1:37:A:ALA:H	1:37:A:ALA:HB3	18	0.78
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	12	0.78
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	12	0.78
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	12	0.78
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	15	0.78
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	15	0.78
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	15	0.78
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	11	0.78
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	11	0.78
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	8	0.78
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	18	0.78
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	18	0.78
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	18	0.78
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	18	0.78
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	18	0.78
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	18	0.78
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	15	0.78
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	15	0.78
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	15	0.78
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	8	0.78
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	8	0.78
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	17	0.78
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	17	0.78
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	17	0.78
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	9	0.78
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	9	0.78
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	9	0.78
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	9	0.78
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	16	0.78
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	16	0.78
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	16	0.78
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	10	0.78
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	10	0.78
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	10	0.78
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	10	0.78
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	10	0.78
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	10	0.78
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	19	0.78
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	19	0.78
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	19	0.78
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	13	0.78
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	13	0.78
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	13	0.78
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	13	0.78
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	13	0.78
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	13	0.78
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	20	0.78
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	20	0.78
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	20	0.78
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	2	0.78
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	2	0.78
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	2	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	19	0.78
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	19	0.78
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	19	0.78
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	19	0.78
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	19	0.78
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	19	0.78
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	13	0.78
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	20	0.78
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	20	0.78
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	20	0.78
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	20	0.78
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	20	0.78
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	20	0.78
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	5	0.78
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	5	0.78
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	19	0.78
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	19	0.78
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	16	0.78
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	16	0.78
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	16	0.78
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	13	0.78
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	13	0.78
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	16	0.78
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	16	0.78
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	16	0.78
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	16	0.78
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	16	0.78
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	16	0.78
(1,321)	1:104:A:THR:HG21	1:180:A:ASP:HB2	6	0.78
(1,321)	1:104:A:THR:HG22	1:180:A:ASP:HB2	6	0.78
(1,321)	1:104:A:THR:HG23	1:180:A:ASP:HB2	6	0.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	17	0.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	17	0.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	17	0.78
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	17	0.78
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	8	0.78
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	8	0.78
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	8	0.78
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	8	0.78
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	8	0.78
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	5	0.78
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	5	0.78
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	5	0.78
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	4	0.78
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	4	0.78
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	4	0.78
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	4	0.78
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	4	0.78
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	4	0.78
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.78
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.78
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.78
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.78
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	13	0.78
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	13	0.78
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	13	0.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	14	0.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	14	0.78
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	14	0.78
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	5	0.78
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	5	0.78
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	5	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	6	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	6	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	6	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	6	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	6	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	6	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	13	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	13	0.78
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	13	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	13	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	13	0.78
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	13	0.78
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	4	0.78
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	4	0.78
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	14	0.78
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	14	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	4	0.78
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	4	0.78
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	2	0.78
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	14	0.78
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	3	0.78
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	8	0.78
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	3	0.78
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	3	0.78
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	3	0.78
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	3	0.78
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	2	0.78
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	19	0.78
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	14	0.78
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	20	0.77
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	19	0.77
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	19	0.77
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	19	0.77
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	6	0.77
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	6	0.77
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	6	0.77
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	12	0.77
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	12	0.77
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	12	0.77
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	1	0.77
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	1	0.77
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	1	0.77
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	14	0.77
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	14	0.77
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	14	0.77
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	3	0.77
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	3	0.77
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	3	0.77
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	3	0.77
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	3	0.77
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	3	0.77
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	16	0.77
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	16	0.77
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	16	0.77
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	16	0.77
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	16	0.77
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	16	0.77
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	7	0.77
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	7	0.77
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	7	0.77
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	7	0.77
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	7	0.77
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	5	0.77
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	5	0.77
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	5	0.77
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	12	0.77
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	12	0.77
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	12	0.77
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	9	0.77
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	9	0.77
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	9	0.77
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	4	0.77
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	4	0.77
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	4	0.77
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	7	0.77
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	7	0.77
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	7	0.77
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	16	0.77
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	16	0.77
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	16	0.77
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	9	0.77
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	9	0.77
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	9	0.77
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG21	4	0.77
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG22	4	0.77
(1,2018)	1:43:A:GLN:HE21	1:58:A:VAL:HG23	4	0.77
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	4	0.77
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	4	0.77
(1,2018)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	4	0.77
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	16	0.77
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	16	0.77
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	16	0.77
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	16	0.77
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	16	0.77
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	16	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	14	0.77
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	14	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	4	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	4	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	4	0.77
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	4	0.77
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	4	0.77
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	4	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	4	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	4	0.77
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	4	0.77
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	4	0.77
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	4	0.77
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	4	0.77
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	12	0.77
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	12	0.77
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	12	0.77
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	12	0.77
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	12	0.77
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	12	0.77
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	12	0.77
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	12	0.77
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	12	0.77
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	5	0.77
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	5	0.77
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	5	0.77
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	5	0.77
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	5	0.77
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	5	0.77
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	5	0.77
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	5	0.77
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	5	0.77
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	12	0.77
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	12	0.77
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	12	0.77
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	4	0.77
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	4	0.77
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	15	0.77
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	18	0.77
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	18	0.77
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	4	0.77
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	9	0.77
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	9	0.77
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	19	0.77
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	19	0.77
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	10	0.77
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	12	0.77
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	16	0.77
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	16	0.77
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	20	0.77
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	20	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	1	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	1	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	4	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	4	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	7	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	7	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	15	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	15	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	16	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	16	0.77
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	20	0.77
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	20	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	12	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	12	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	12	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG21	17	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG22	17	0.77
(1,1647)	1:29:A:THR:H	1:29:A:THR:HG23	17	0.77
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB2	8	0.77
(1,1644)	1:62:A:MET:H	1:62:A:MET:HB3	8	0.77
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	3	0.77
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	4	0.77
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	2	0.77
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	2	0.77
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	9	0.77
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	9	0.77
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	9	0.77
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	9	0.77
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	15	0.77
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	15	0.77
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	15	0.77
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	14	0.77
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	14	0.77
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	9	0.77
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	9	0.77
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	13	0.77
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	13	0.77
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	13	0.77
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	9	0.77
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	9	0.77
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	5	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	3	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	3	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	3	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	3	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	9	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	9	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	9	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	9	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	19	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	19	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	19	0.77
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	19	0.77
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	2	0.77
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	2	0.77
(1,1419)	1:141:A:GLY:H	1:149:A:PHE:HB3	17	0.77
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	7	0.77
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	7	0.77
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	7	0.77
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	7	0.77
(1,1408)	1:137:A:GLY:H	1:171:A:HIS:HD2	13	0.77
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	20	0.77
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	20	0.77
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	20	0.77
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	8	0.77
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	8	0.77
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	8	0.77
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	19	0.77
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	19	0.77
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	14	0.77
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	14	0.77
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	14	0.77
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	11	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	9	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	9	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	9	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	19	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	19	0.77
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	19	0.77
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	15	0.77
(1,1325)	1:113:A:LEU:HA	1:116:A:TRP:H	11	0.77
(1,1313)	1:111:A:LYS:HB2	1:112:A:ALA:H	13	0.77
(1,1313)	1:111:A:LYS:HB3	1:112:A:ALA:H	13	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	2	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	2	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	2	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	2	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	3	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	3	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	3	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	3	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	5	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	5	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	5	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	5	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	8	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	8	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	8	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	8	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	14	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	14	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	14	0.77
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	14	0.77
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	4	0.77
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	4	0.77
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	4	0.77
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	6	0.77
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	6	0.77
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	6	0.77
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	11	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	11	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	11	0.77
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	13	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	13	0.77
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	13	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	13	0.77
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	15	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	15	0.77
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	15	0.77
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	15	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	3	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	3	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	3	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	5	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	5	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	5	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	8	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	8	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	8	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	12	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	12	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	12	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	14	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	14	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	14	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	16	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	16	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	16	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	17	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	17	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	17	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	20	0.77
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	20	0.77
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	5	0.77
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	20	0.77
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	20	0.77
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	11	0.77
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	9	0.77
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	9	0.77
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	9	0.77
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	11	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	11	0.77
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	11	0.77
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	17	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	2	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	10	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	14	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	15	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	16	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	17	0.77
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	19	0.77
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	12	0.77
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	11	0.77
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	12	0.77
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	2	0.77
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	2	0.77
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	2	0.77
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	6	0.77
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	6	0.77
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	6	0.77
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	18	0.77
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	18	0.77
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	18	0.77
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	6	0.77
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	6	0.77
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	1	0.77
(1,1057)	1:135:A:MET:H	1:170:A:ALA:H	18	0.77
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	3	0.77
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	20	0.77
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	17	0.77
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	20	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	1	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	1	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	1	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	18	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	18	0.77
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	18	0.77
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	14	0.77
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	14	0.77
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	9	0.77
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	9	0.77
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	6	0.77
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	6	0.77
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	6	0.77
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	10	0.77
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	18	0.77
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	11	0.77
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	11	0.77
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	17	0.77
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	17	0.77
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	17	0.77
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	17	0.77
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	17	0.77
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	17	0.77
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	7	0.77
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	7	0.77
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG21	8	0.77
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG22	8	0.77
(1,846)	1:46:A:PHE:HE1	1:215:A:THR:HG23	8	0.77
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG21	8	0.77
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG22	8	0.77
(1,846)	1:46:A:PHE:HE2	1:215:A:THR:HG23	8	0.77
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	7	0.77
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	7	0.77
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	7	0.77
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	20	0.77
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	20	0.77
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	20	0.77
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	20	0.77
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	20	0.77
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	20	0.77
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	17	0.77
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	17	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	13	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	13	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	13	0.77
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	13	0.77
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	13	0.77
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	13	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	14	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	14	0.77
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	14	0.77
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	14	0.77
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	14	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	14	0.77
(1,799)	1:155:A:THR:HG21	1:157:A:ALA:H	10	0.77
(1,799)	1:155:A:THR:HG22	1:157:A:ALA:H	10	0.77
(1,799)	1:155:A:THR:HG23	1:157:A:ALA:H	10	0.77
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	2	0.77
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	2	0.77
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	2	0.77
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	2	0.77
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	2	0.77
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	2	0.77
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	9	0.77
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	9	0.77
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	9	0.77
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	9	0.77
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	16	0.77
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	16	0.77
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	8	0.77
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	8	0.77
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	8	0.77
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	20	0.77
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	20	0.77
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	20	0.77
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	8	0.77
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	8	0.77
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	8	0.77
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	8	0.77
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	7	0.77
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	16	0.77
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	3	0.77
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	3	0.77
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	17	0.77
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB2	8	0.77
(1,494)	1:138:A:PHE:H	1:138:A:PHE:HB3	8	0.77
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	3	0.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	12	0.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	12	0.77
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	12	0.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	12	0.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	12	0.77
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	12	0.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	12	0.77
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	12	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	12	0.77
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	8	0.77
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	8	0.77
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	2	0.77
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	2	0.77
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	2	0.77
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	2	0.77
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	2	0.77
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	2	0.77
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	20	0.77
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	20	0.77
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	20	0.77
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	16	0.77
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	16	0.77
(1,273)	1:83:A:LYS:HD2	1:234:A:ILE:HG13	19	0.77
(1,273)	1:83:A:LYS:HD3	1:234:A:ILE:HG13	19	0.77
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	5	0.77
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	5	0.77
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	5	0.77
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	10	0.77
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	10	0.77
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	11	0.77
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	11	0.77
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	11	0.77
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	9	0.77
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	9	0.77
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	19	0.77
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	19	0.77
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	19	0.77
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	15	0.77
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	15	0.77
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	15	0.77
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	15	0.77
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	10	0.77
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	10	0.77
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	10	0.77
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	10	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	10	0.77
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	10	0.77
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	13	0.77
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	13	0.77
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	13	0.77
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	13	0.77
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	13	0.77
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	13	0.77
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	13	0.77
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	13	0.77
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	13	0.77
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	10	0.77
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	10	0.77
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	10	0.77
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	10	0.77
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	1	0.77
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	20	0.77
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	13	0.77
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	10	0.77
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	10	0.77
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	11	0.77
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	11	0.77
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	13	0.77
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	13	0.77
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	13	0.77
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	1	0.77
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	2	0.77
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	7	0.77
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	14	0.77
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	19	0.77
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	20	0.77
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	17	0.77
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	17	0.77
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	17	0.77
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	10	0.77
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	15	0.77
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	6	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,16)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	11	0.76
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	17	0.76
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	17	0.76
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	17	0.76
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	9	0.76
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	9	0.76
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	9	0.76
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	3	0.76
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	3	0.76
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	3	0.76
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	8	0.76
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	8	0.76
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	8	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	16	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	16	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	16	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	16	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	16	0.76
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	16	0.76
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	16	0.76
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	16	0.76
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	16	0.76
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	16	0.76
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	16	0.76
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	16	0.76
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	15	0.76
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	15	0.76
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	15	0.76
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	15	0.76
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	15	0.76
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	15	0.76
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	15	0.76
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	15	0.76
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	15	0.76
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	15	0.76
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	15	0.76
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	15	0.76
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	15	0.76
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	15	0.76
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	15	0.76
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	20	0.76
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	20	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	20	0.76
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	3	0.76
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	3	0.76
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	3	0.76
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	3	0.76
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	3	0.76
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	3	0.76
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	8	0.76
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	8	0.76
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	8	0.76
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	9	0.76
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	9	0.76
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	9	0.76
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	9	0.76
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	9	0.76
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	9	0.76
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	9	0.76
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	9	0.76
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	9	0.76
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	9	0.76
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	9	0.76
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	9	0.76
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	9	0.76
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	9	0.76
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	9	0.76
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	9	0.76
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	5	0.76
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	5	0.76
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	5	0.76
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	12	0.76
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	12	0.76
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	12	0.76
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	13	0.76
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	13	0.76
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	13	0.76
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	19	0.76
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	19	0.76
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	6	0.76
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	6	0.76
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	6	0.76
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	8	0.76
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	8	0.76
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	8	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	1	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	1	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	1	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	7	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	7	0.76
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	7	0.76
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	16	0.76
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	16	0.76
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	16	0.76
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	16	0.76
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	16	0.76
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	16	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	15	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	15	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	15	0.76
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	15	0.76
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	15	0.76
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	15	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	15	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	15	0.76
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	15	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	4	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	4	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	4	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	12	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	12	0.76
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	12	0.76
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	11	0.76
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	11	0.76
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	11	0.76
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	11	0.76
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	11	0.76
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	11	0.76
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	11	0.76
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	11	0.76
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	11	0.76
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	11	0.76
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	11	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	10	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	10	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	10	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	20	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	20	0.76
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	20	0.76
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	1	0.76
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	1	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	1	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	1	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	1	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	1	0.76
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	17	0.76
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	17	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	17	0.76
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	17	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	17	0.76
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	17	0.76
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	12	0.76
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	12	0.76
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	12	0.76
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	12	0.76
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	12	0.76
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	12	0.76
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	4	0.76
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	4	0.76
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	4	0.76
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	10	0.76
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	10	0.76
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	10	0.76
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	10	0.76
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	10	0.76
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	10	0.76
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	11	0.76
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	11	0.76
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	11	0.76
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	15	0.76
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	18	0.76
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	13	0.76
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	13	0.76
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	20	0.76
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	20	0.76
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	8	0.76
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	8	0.76
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	8	0.76
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	10	0.76
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	10	0.76
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	10	0.76
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	9	0.76
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	9	0.76
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	10	0.76
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	6	0.76
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	6	0.76
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	6	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	6	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	6	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	15	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	15	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	18	0.76
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	18	0.76
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	3	0.76
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	19	0.76
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	3	0.76
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	3	0.76
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	8	0.76
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	8	0.76
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	17	0.76
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	17	0.76
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	18	0.76
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	18	0.76
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	18	0.76
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	9	0.76
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	18	0.76
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	18	0.76
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	18	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	4	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	4	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	4	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	5	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	5	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	5	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	5	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	10	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	10	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	10	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	10	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	11	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	11	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	11	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	11	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	16	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	16	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	16	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	16	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	18	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	18	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	18	0.76
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	18	0.76
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	7	0.76
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	7	0.76
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	19	0.76
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	9	0.76
(1,1552)	1:200:A:LEU:H	1:200:A:LEU:HB2	12	0.76
(1,1527)	1:188:A:PHE:HA	1:192:A:ALA:H	8	0.76
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	17	0.76
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	17	0.76
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	17	0.76
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	17	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	16	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	16	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	16	0.76
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	16	0.76
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	17	0.76
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	17	0.76
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	14	0.76
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	17	0.76
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	11	0.76
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	11	0.76
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	9	0.76
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	9	0.76
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	9	0.76
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	13	0.76
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	13	0.76
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	13	0.76
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	3	0.76
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	3	0.76
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	3	0.76
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	3	0.76
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	2	0.76
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	2	0.76
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	18	0.76
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	18	0.76
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	18	0.76
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	18	0.76
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	1	0.76
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	1	0.76
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	7	0.76
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	7	0.76
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	7	0.76
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	7	0.76
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	13	0.76
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	13	0.76
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	13	0.76
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	4	0.76
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	4	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	1	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	1	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	1	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	1	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	4	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	4	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	4	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	4	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	7	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	7	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	7	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	7	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	9	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	9	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	9	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	16	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	16	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	16	0.76
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	16	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	7	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	7	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	7	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	7	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	14	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	14	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	14	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	14	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	19	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	19	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	19	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	19	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	0.76
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	20	0.76
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	20	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	2	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	2	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	2	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	4	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	4	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	4	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	10	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	10	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	10	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	13	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	13	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	13	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	19	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB2	19	0.76
(1,1270)	1:237:A:LEU:H	1:237:A:LEU:HB3	19	0.76
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	8	0.76
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	8	0.76
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	4	0.76
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	20	0.76
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	4	0.76
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	4	0.76
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	13	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	13	0.76
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	4	0.76
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	5	0.76
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	7	0.76
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	8	0.76
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	20	0.76
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	11	0.76
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	10	0.76
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	9	0.76
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	8	0.76
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	8	0.76
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	8	0.76
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	15	0.76
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	15	0.76
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	15	0.76
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	14	0.76
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	14	0.76
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	2	0.76
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	2	0.76
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	2	0.76
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	10	0.76
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	10	0.76
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	10	0.76
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	12	0.76
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	8	0.76
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	5	0.76
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	20	0.76
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	1	0.76
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	16	0.76
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	10	0.76
(1,1021)	1:112:A:ALA:H	1:113:A:LEU:H	15	0.76
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	20	0.76
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	15	0.76
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	15	0.76
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	15	0.76
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	18	0.76
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	18	0.76
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	2	0.76
(1,899)	1:21:A:ARG:H	1:22:A:PHE:H	2	0.76
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	3	0.76
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	20	0.76
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	3	0.76
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	3	0.76
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	3	0.76
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	3	0.76
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	3	0.76
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	9	0.76
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	9	0.76
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	9	0.76
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	20	0.76
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	8	0.76
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	8	0.76
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	8	0.76
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	8	0.76
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	8	0.76
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	8	0.76
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	8	0.76
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	8	0.76
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	8	0.76
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	19	0.76
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	19	0.76
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	19	0.76
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	19	0.76
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	19	0.76
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	19	0.76
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	9	0.76
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	9	0.76
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	9	0.76
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	4	0.76
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	4	0.76
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	1	0.76
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	1	0.76
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	1	0.76
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	17	0.76
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	17	0.76
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	17	0.76
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	6	0.76
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	6	0.76
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	6	0.76
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG2	8	0.76
(1,606)	1:59:A:ILE:HG21	1:63:A:GLN:HG3	8	0.76
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG2	8	0.76
(1,606)	1:59:A:ILE:HG22	1:63:A:GLN:HG3	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG2	8	0.76
(1,606)	1:59:A:ILE:HG23	1:63:A:GLN:HG3	8	0.76
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	9	0.76
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	9	0.76
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	9	0.76
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	9	0.76
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	9	0.76
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	9	0.76
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	6	0.76
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	6	0.76
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	6	0.76
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	6	0.76
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	6	0.76
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	6	0.76
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	8	0.76
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	20	0.76
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	14	0.76
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	14	0.76
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	13	0.76
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	13	0.76
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	13	0.76
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	8	0.76
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	8	0.76
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	8	0.76
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	8	0.76
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	8	0.76
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	8	0.76
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	8	0.76
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	7	0.76
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	7	0.76
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	7	0.76
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	7	0.76
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	7	0.76
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	7	0.76
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	5	0.76
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	5	0.76
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	5	0.76
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	5	0.76
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	5	0.76
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	5	0.76
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	5	0.76
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	5	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	5	0.76
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	17	0.76
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	17	0.76
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	17	0.76
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	17	0.76
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	17	0.76
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	17	0.76
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	16	0.76
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	16	0.76
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	16	0.76
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	2	0.76
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	2	0.76
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	2	0.76
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	2	0.76
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	3	0.76
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	18	0.76
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	18	0.76
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	18	0.76
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	5	0.76
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	5	0.76
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	5	0.76
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	5	0.76
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	5	0.76
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	5	0.76
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	16	0.76
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	16	0.76
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	16	0.76
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	2	0.76
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	15	0.76
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	1	0.76
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	1	0.76
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	2	0.76
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	2	0.76
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	2	0.76
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	2	0.76
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	2	0.76
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	2	0.76
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	12	0.76
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	12	0.76
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	12	0.76
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	12	0.76
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	12	0.76
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	10	0.76
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	10	0.76
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	10	0.76
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	10	0.76
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	10	0.76
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	10	0.76
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	13	0.76
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	13	0.76
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	6	0.76
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	6	0.76
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	6	0.76
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	17	0.76
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	17	0.76
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	17	0.76
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	11	0.76
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	11	0.76
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	11	0.76
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	11	0.76
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	20	0.76
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	20	0.76
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	20	0.76
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	15	0.76
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	15	0.76
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	15	0.76
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	18	0.76
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	18	0.76
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	18	0.76
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	18	0.76
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	18	0.76
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	18	0.76
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	7	0.76
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	7	0.76
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	7	0.76
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	7	0.76
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	5	0.76
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	12	0.76
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	16	0.76
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	18	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	3	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	3	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	13	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	13	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	20	0.76
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	20	0.76
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	2	0.76
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	4	0.76
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	4	0.76
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	4	0.76
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	17	0.76
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	18	0.76
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	18	0.76
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	15	0.75
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	13	0.75
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	13	0.75
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	13	0.75
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	4	0.75
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	4	0.75
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	4	0.75
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	11	0.75
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	11	0.75
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	11	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	1	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	1	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	1	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	13	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	13	0.75
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	13	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	4	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	4	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	4	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	6	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	6	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	6	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	10	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	10	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	10	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	12	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	12	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	13	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	13	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	13	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	16	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	16	0.75
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	16	0.75
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	2	0.75
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	2	0.75
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	2	0.75
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	1	0.75
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	1	0.75
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	1	0.75
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	2	0.75
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	2	0.75
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	2	0.75
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	15	0.75
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	15	0.75
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	15	0.75
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	10	0.75
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	10	0.75
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	10	0.75
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	20	0.75
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	20	0.75
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	20	0.75
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	13	0.75
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	13	0.75
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	13	0.75
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE1	20	0.75
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE2	20	0.75
(1,1995)	1:54:A:LEU:HD11	1:62:A:MET:HE3	20	0.75
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE1	20	0.75
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE2	20	0.75
(1,1995)	1:54:A:LEU:HD12	1:62:A:MET:HE3	20	0.75
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE1	20	0.75
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE2	20	0.75
(1,1995)	1:54:A:LEU:HD13	1:62:A:MET:HE3	20	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	6	0.75
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	6	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	6	0.75
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	6	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	9	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	9	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	9	0.75
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	9	0.75
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	9	0.75
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	9	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	9	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	9	0.75
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	9	0.75
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	8	0.75
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	8	0.75
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	8	0.75
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	8	0.75
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	8	0.75
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	8	0.75
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	8	0.75
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	8	0.75
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	8	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	18	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	18	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	18	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	20	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	20	0.75
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	20	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	1	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	1	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	1	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	2	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	2	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	2	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	3	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	3	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	3	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	4	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	4	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	4	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	5	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	5	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	6	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	6	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	6	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	7	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	7	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	7	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	8	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	8	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	8	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	9	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	9	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	9	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	11	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	11	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	11	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	12	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	12	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	12	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	13	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	13	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	13	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	14	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	14	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	14	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	15	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	15	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	15	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	16	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	16	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	16	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	17	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	17	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	17	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	18	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	18	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	18	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG21	19	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG22	19	0.75
(1,1895)	1:109:A:VAL:HA	1:109:A:VAL:HG23	19	0.75
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	1	0.75
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	1	0.75
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	1	0.75
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	1	0.75
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	1	0.75
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	1	0.75
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	1	0.75
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	1	0.75
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	15	0.75
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	15	0.75
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	15	0.75
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG21	17	0.75
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG22	17	0.75
(1,1818)	1:126:A:LYS:HA	1:127:A:VAL:HG23	17	0.75
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	1	0.75
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	1	0.75
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	1	0.75
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	1	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	1	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	1	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	2	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	2	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	5	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	5	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	6	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	6	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	10	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	10	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	11	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	11	0.75
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	16	0.75
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	16	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	1	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	1	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	10	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	10	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	13	0.75
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	13	0.75
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	11	0.75
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	11	0.75
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	16	0.75
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	9	0.75
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	9	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	1	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	1	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	3	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	3	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	16	0.75
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	16	0.75
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	3	0.75
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	3	0.75
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	3	0.75
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	18	0.75
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	18	0.75
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	18	0.75
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	6	0.75
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	2	0.75
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	2	0.75
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	7	0.75
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	9	0.75
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	6	0.75
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	19	0.75
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	2	0.75
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	5	0.75
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	14	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	6	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	6	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	6	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	6	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	7	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	7	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	7	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	7	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	9	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	9	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	9	0.75
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	9	0.75
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	15	0.75
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	15	0.75
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	18	0.75
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	18	0.75
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	14	0.75
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	11	0.75
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	12	0.75
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	12	0.75
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB2	11	0.75
(1,1503)	1:21:A:ARG:H	1:21:A:ARG:HB3	11	0.75
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	18	0.75
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	12	0.75
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	12	0.75
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	12	0.75
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	12	0.75
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	2	0.75
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	14	0.75
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	14	0.75
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	3	0.75
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	3	0.75
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	18	0.75
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	18	0.75
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	14	0.75
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	15	0.75
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	17	0.75
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	17	0.75
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	17	0.75
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	17	0.75
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	13	0.75
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	13	0.75
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	13	0.75
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	13	0.75
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	5	0.75
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	6	0.75
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	6	0.75
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	15	0.75
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	15	0.75
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	1	0.75
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	13	0.75
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	13	0.75
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	3	0.75
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	4	0.75
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	11	0.75
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	11	0.75
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB2	11	0.75
(1,1307)	1:111:A:LYS:H	1:111:A:LYS:HB3	11	0.75
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	9	0.75
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	9	0.75
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	4	0.75
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	4	0.75
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	4	0.75
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	4	0.75
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	17	0.75
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	17	0.75
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	17	0.75
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	17	0.75
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	9	0.75
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	9	0.75
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	9	0.75
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	9	0.75
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	3	0.75
(1,1179)	1:237:A:LEU:H	1:238:A:TYR:H	18	0.75
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	4	0.75
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	6	0.75
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	7	0.75
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	7	0.75
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	7	0.75
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	19	0.75
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	19	0.75
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	19	0.75
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	3	0.75
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	3	0.75
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	4	0.75
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	10	0.75
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	1	0.75
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	9	0.75
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	11	0.75
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	15	0.75
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	7	0.75
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG12	4	0.75
(1,960)	1:61:A:ILE:H	1:61:A:ILE:HG13	4	0.75
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	1	0.75
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	1	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	1	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	2	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	3	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	4	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	6	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	8	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	10	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	13	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	15	0.75
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	18	0.75
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	4	0.75
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	7	0.75
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	8	0.75
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	9	0.75
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	9	0.75
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	9	0.75
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	12	0.75
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	12	0.75
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	17	0.75
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	2	0.75
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	2	0.75
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	2	0.75
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	2	0.75
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	2	0.75
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	2	0.75
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	8	0.75
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	8	0.75
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	8	0.75
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	8	0.75
(1,697)	1:72:A:VAL:HB	1:73:A:ALA:H	11	0.75
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	8	0.75
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	8	0.75
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	18	0.75
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	18	0.75
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	18	0.75
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	18	0.75
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	18	0.75
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	18	0.75
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	15	0.75
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	15	0.75
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	14	0.75
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	2	0.75
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	2	0.75
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	2	0.75
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	2	0.75
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	18	0.75
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	18	0.75
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	4	0.75
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	4	0.75
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	5	0.75
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	5	0.75
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	6	0.75
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	6	0.75
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	6	0.75
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	12	0.75
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	11	0.75
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	14	0.75
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	3	0.75
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	6	0.75
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	3	0.75
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	3	0.75
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	3	0.75
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	3	0.75
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	3	0.75
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	3	0.75
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	9	0.75
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	9	0.75
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	9	0.75
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	9	0.75
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	9	0.75
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	9	0.75
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	9	0.75
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	9	0.75
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	9	0.75
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	9	0.75
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD2	15	0.75
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD2	15	0.75
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD2	15	0.75
(1,330)	1:120:A:ILE:HG21	1:121:A:PRO:HD3	15	0.75
(1,330)	1:120:A:ILE:HG22	1:121:A:PRO:HD3	15	0.75
(1,330)	1:120:A:ILE:HG23	1:121:A:PRO:HD3	15	0.75
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	19	0.75
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	19	0.75
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	19	0.75
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	19	0.75
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	19	0.75
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	19	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	11	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	11	0.75
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	11	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	13	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	13	0.75
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	13	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	15	0.75
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	15	0.75
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	15	0.75
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	5	0.75
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	5	0.75
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	13	0.75
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	13	0.75
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	13	0.75
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	13	0.75
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	13	0.75
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	13	0.75
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	5	0.75
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	5	0.75
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	8	0.75
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	8	0.75
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	8	0.75
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	14	0.75
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	14	0.75
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	14	0.75
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	14	0.75
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	14	0.75
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	14	0.75
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	8	0.75
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	8	0.75
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	13	0.75
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	14	0.75
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	14	0.75
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	12	0.75
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	12	0.75
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	14	0.75
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	2	0.75
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	3	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	11	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	11	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	11	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	15	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	15	0.74
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	15	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	7	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	9	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	14	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	14	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	14	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	14	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	14	0.74
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	14	0.74
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	16	0.74
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	16	0.74
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	16	0.74
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	7	0.74
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	7	0.74
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	7	0.74
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	8	0.74
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	8	0.74
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	8	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	2	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	2	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	2	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	18	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	18	0.74
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	6	0.74
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	8	0.74
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	8	0.74
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	8	0.74
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	8	0.74
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	8	0.74
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	8	0.74
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	9	0.74
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	9	0.74
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	9	0.74
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	9	0.74
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	9	0.74
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	9	0.74
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	15	0.74
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	15	0.74
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	15	0.74
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	15	0.74
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	15	0.74
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	15	0.74
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	2	0.74
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	2	0.74
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	2	0.74
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	20	0.74
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	20	0.74
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	20	0.74
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	7	0.74
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	7	0.74
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	7	0.74
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	4	0.74
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	4	0.74
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	4	0.74
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	4	0.74
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	4	0.74
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	4	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	8	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	8	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	8	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	8	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	8	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	8	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	19	0.74
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	19	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	5	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	5	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	5	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	8	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	8	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	8	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	13	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	13	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	13	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	17	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	17	0.74
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	17	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	10	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	10	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	10	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	15	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	15	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	15	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	18	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	18	0.74
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	17	0.74
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	17	0.74
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	17	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	20	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	20	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	20	0.74
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	20	0.74
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	20	0.74
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	20	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	20	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	20	0.74
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	20	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	18	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	18	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	18	0.74
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	18	0.74
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	18	0.74
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	18	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	18	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	18	0.74
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	18	0.74
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	4	0.74
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	4	0.74
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	4	0.74
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	4	0.74
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	4	0.74
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	4	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	2	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	15	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	15	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	15	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	15	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	15	0.74
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	15	0.74
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	11	0.74
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	11	0.74
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	11	0.74
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	11	0.74
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	11	0.74
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	11	0.74
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	11	0.74
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	11	0.74
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	2	0.74
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	2	0.74
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	2	0.74
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	2	0.74
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	2	0.74
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	2	0.74
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	13	0.74
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	13	0.74
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	13	0.74
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	13	0.74
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	13	0.74
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	13	0.74
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	11	0.74
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	11	0.74
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	11	0.74
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	6	0.74
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	6	0.74
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	6	0.74
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	14	0.74
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	14	0.74
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	14	0.74
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	14	0.74
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	14	0.74
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	14	0.74
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	14	0.74
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	14	0.74
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	14	0.74
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	12	0.74
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	12	0.74
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	12	0.74
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	12	0.74
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	12	0.74
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	12	0.74
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	18	0.74
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	18	0.74
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	18	0.74
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	18	0.74
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	18	0.74
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	9	0.74
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	9	0.74
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	9	0.74
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	1	0.74
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	1	0.74
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	17	0.74
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	17	0.74
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	17	0.74
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	17	0.74
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	7	0.74
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	7	0.74
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	18	0.74
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	18	0.74
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	20	0.74
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	20	0.74
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	10	0.74
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	11	0.74
(1,1700)	1:58:A:VAL:H	1:58:A:VAL:HB	20	0.74
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	9	0.74
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	19	0.74
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	19	0.74
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	19	0.74
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	15	0.74
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	15	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	4	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	4	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	7	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	7	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	8	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	8	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	11	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	11	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	12	0.74
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	12	0.74
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	1	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	2	0.74
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	2	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	2	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	6	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	6	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	19	0.74
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	19	0.74
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	19	0.74
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	11	0.74
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	11	0.74
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	14	0.74
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	14	0.74
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	19	0.74
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	6	0.74
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	6	0.74
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	6	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	1	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	1	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	1	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	1	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	3	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	3	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	3	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	3	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	12	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	12	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	12	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	12	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	19	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	19	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	19	0.74
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	19	0.74
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	17	0.74
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	17	0.74
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	17	0.74
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	17	0.74
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	3	0.74
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	5	0.74
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	10	0.74
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	10	0.74
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	10	0.74
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	10	0.74
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	7	0.74
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	7	0.74
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	5	0.74
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	5	0.74
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	5	0.74
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	5	0.74
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	11	0.74
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	11	0.74
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	11	0.74
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	8	0.74
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	8	0.74
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	8	0.74
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	8	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	2	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	2	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	2	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	2	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	6	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	6	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	6	0.74
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	6	0.74
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	17	0.74
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	20	0.74
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	20	0.74
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	15	0.74
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	17	0.74
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	17	0.74
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	19	0.74
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	19	0.74
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	9	0.74
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	13	0.74
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	13	0.74
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	2	0.74
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	14	0.74
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	16	0.74
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	18	0.74
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	11	0.74
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	10	0.74
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	2	0.74
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	3	0.74
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	7	0.74
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	9	0.74
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	1	0.74
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	1	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	1	0.74
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	4	0.74
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	4	0.74
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	4	0.74
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	16	0.74
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	16	0.74
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	16	0.74
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	20	0.74
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	20	0.74
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	20	0.74
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	10	0.74
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	15	0.74
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	1	0.74
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	5	0.74
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	18	0.74
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	18	0.74
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	18	0.74
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	18	0.74
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	12	0.74
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	12	0.74
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	12	0.74
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	2	0.74
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	7	0.74
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	8	0.74
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	17	0.74
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	19	0.74
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	13	0.74
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	7	0.74
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	9	0.74
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	12	0.74
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	19	0.74
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	19	0.74
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB2	12	0.74
(1,877)	1:240:A:LYS:H	1:240:A:LYS:HB3	12	0.74
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD11	9	0.74
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD12	9	0.74
(1,828)	1:200:A:LEU:HB3	1:234:A:ILE:HD13	9	0.74
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD11	9	0.74
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD12	9	0.74
(1,828)	1:200:A:LEU:HB2	1:234:A:ILE:HD13	9	0.74
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	5	0.74
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	5	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	5	0.74
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	5	0.74
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	5	0.74
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	5	0.74
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	16	0.74
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	16	0.74
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	16	0.74
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	16	0.74
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	16	0.74
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	16	0.74
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	14	0.74
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	14	0.74
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	14	0.74
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	12	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	1	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	1	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	1	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	11	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	11	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	11	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	16	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	16	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	16	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD11	18	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD12	18	0.74
(1,731)	1:103:A:ILE:HB	1:103:A:ILE:HD13	18	0.74
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	20	0.74
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	20	0.74
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	10	0.74
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	17	0.74
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	17	0.74
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	17	0.74
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	17	0.74
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	17	0.74
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	17	0.74
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	17	0.74
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	17	0.74
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	17	0.74
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	10	0.74
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	10	0.74
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	10	0.74
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	7	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	7	0.74
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	7	0.74
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	5	0.74
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	5	0.74
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	5	0.74
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	5	0.74
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	5	0.74
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	5	0.74
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	14	0.74
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	10	0.74
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	10	0.74
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	10	0.74
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	10	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	9	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	9	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	9	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	9	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	9	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	9	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	11	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	11	0.74
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	11	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	11	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	11	0.74
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	11	0.74
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	5	0.74
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	3	0.74
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	3	0.74
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	3	0.74
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	3	0.74
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	3	0.74
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	3	0.74
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	4	0.74
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	4	0.74
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	4	0.74
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	4	0.74
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	4	0.74
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	4	0.74
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	15	0.74
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	15	0.74
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	15	0.74
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	15	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	15	0.74
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	15	0.74
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	20	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	13	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	13	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	13	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	13	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	13	0.74
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	13	0.74
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	4	0.74
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	4	0.74
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	4	0.74
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	4	0.74
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	12	0.74
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	12	0.74
(1,392)	1:38:A:LYS:HB2	1:39:A:LEU:H	12	0.74
(1,392)	1:38:A:LYS:HB3	1:39:A:LEU:H	12	0.74
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	2	0.74
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	1	0.74
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	1	0.74
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	1	0.74
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	1	0.74
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	1	0.74
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	1	0.74
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	6	0.74
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	6	0.74
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	6	0.74
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	4	0.74
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	2	0.74
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	2	0.74
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	11	0.74
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	3	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	2	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	4	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	5	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	7	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	10	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	12	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	19	0.74
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	20	0.74
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	18	0.74
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	18	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	18	0.74
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	18	0.74
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	18	0.74
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	18	0.74
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	15	0.74
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	15	0.74
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	15	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	15	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	15	0.74
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	15	0.74
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	14	0.74
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	14	0.74
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	14	0.74
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	17	0.74
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	17	0.74
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	17	0.74
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	17	0.74
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	15	0.74
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	15	0.74
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	20	0.74
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	20	0.74
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	20	0.74
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	5	0.74
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	5	0.74
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	5	0.74
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	5	0.74
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	3	0.74
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	3	0.74
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	3	0.74
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	3	0.74
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	3	0.74
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	3	0.74
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	6	0.74
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	6	0.74
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	6	0.74
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	6	0.74
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	6	0.74
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	20	0.74
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	20	0.74
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	20	0.74
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	20	0.74
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	20	0.74
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	20	0.74
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	20	0.74
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	20	0.74
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	20	0.74
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	3	0.74
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	3	0.74
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	8	0.74
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	9	0.74
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	4	0.74
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	20	0.74
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	5	0.74
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	18	0.74
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	19	0.74
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	7	0.73
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	12	0.73
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	19	0.73
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	12	0.73
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	12	0.73
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	12	0.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG11	12	0.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG12	12	0.73
(1,2220)	1:116:A:TRP:HE1	1:211:A:VAL:HG13	12	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	2	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	4	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	4	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	4	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	4	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	4	0.73
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	4	0.73
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	17	0.73
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	17	0.73
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	0.73
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	0.73
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	0.73
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	3	0.73
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	3	0.73
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	3	0.73
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	8	0.73
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	8	0.73
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	8	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	11	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	11	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	11	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	11	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	11	0.73
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	11	0.73
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	7	0.73
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	7	0.73
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	7	0.73
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	7	0.73
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	7	0.73
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	7	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	2	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	2	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	2	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	7	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	7	0.73
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	7	0.73
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	19	0.73
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	19	0.73
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	19	0.73
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	2	0.73
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	2	0.73
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	2	0.73
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	2	0.73
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	2	0.73
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	2	0.73
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	2	0.73
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	2	0.73
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	2	0.73
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	2	0.73
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	2	0.73
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG12	1	0.73
(1,2063)	1:54:A:LEU:HD11	1:59:A:ILE:HG13	1	0.73
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG12	1	0.73
(1,2063)	1:54:A:LEU:HD12	1:59:A:ILE:HG13	1	0.73
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG12	1	0.73
(1,2063)	1:54:A:LEU:HD13	1:59:A:ILE:HG13	1	0.73
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	10	0.73
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	10	0.73
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	10	0.73
(1,2036)	1:127:A:VAL:HG21	1:128:A:VAL:H	14	0.73
(1,2036)	1:127:A:VAL:HG22	1:128:A:VAL:H	14	0.73
(1,2036)	1:127:A:VAL:HG23	1:128:A:VAL:H	14	0.73
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	3	0.73
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	3	0.73
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	3	0.73
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	9	0.73
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	9	0.73
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	9	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	3	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	3	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	3	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	9	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	9	0.73
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	9	0.73
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	2	0.73
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	2	0.73
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	2	0.73
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	2	0.73
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	2	0.73
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	2	0.73
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	2	0.73
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	2	0.73
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	2	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	5	0.73
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	5	0.73
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	20	0.73
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	20	0.73
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	20	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	8	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	8	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	8	0.73
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD21	8	0.73
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD22	8	0.73
(1,1994)	1:83:A:LYS:HD2	1:237:A:LEU:HD23	8	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD21	8	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD22	8	0.73
(1,1994)	1:83:A:LYS:HD3	1:237:A:LEU:HD23	8	0.73
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	12	0.73
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	12	0.73
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	12	0.73
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	12	0.73
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	12	0.73
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	12	0.73
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	12	0.73
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	12	0.73
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	12	0.73
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	6	0.73
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	6	0.73
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	6	0.73
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	6	0.73
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	6	0.73
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	6	0.73
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	6	0.73
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	6	0.73
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	6	0.73
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	7	0.73
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	7	0.73
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	7	0.73
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	20	0.73
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	20	0.73
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	20	0.73
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	20	0.73
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	20	0.73
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	20	0.73
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	14	0.73
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	4	0.73
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	4	0.73
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	8	0.73
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	8	0.73
(1,1714)	1:60:A:GLU:HA	1:63:A:GLN:H	2	0.73
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	2	0.73
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	2	0.73
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	6	0.73
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	15	0.73
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	15	0.73
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	15	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	1	0.73
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	1	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	1	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	8	0.73
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	8	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	8	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	9	0.73
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	9	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	9	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	15	0.73
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	15	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	15	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	20	0.73
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	20	0.73
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	20	0.73
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	2	0.73
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	2	0.73
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	18	0.73
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	3	0.73
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	3	0.73
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	16	0.73
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	18	0.73
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	3	0.73
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	17	0.73
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	17	0.73
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	8	0.73
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	8	0.73
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	8	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	2	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	2	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	2	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	5	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	5	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	5	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	5	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	13	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	13	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	13	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	13	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	14	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	14	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	14	0.73
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	14	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	6	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	6	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	10	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	10	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	11	0.73
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	11	0.73
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	13	0.73
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	8	0.73
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	8	0.73
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	18	0.73
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	18	0.73
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	18	0.73
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	18	0.73
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	1	0.73
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	1	0.73
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	18	0.73
(1,1391)	1:134:A:ILE:H	1:134:A:ILE:HB	10	0.73
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	3	0.73
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	3	0.73
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	3	0.73
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	11	0.73
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	11	0.73
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	11	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	3	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	6	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	8	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	9	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	10	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	14	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	17	0.73
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	20	0.73
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	5	0.73
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	5	0.73
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	7	0.73
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	10	0.73
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	5	0.73
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	5	0.73
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	5	0.73
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	16	0.73
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	16	0.73
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	12	0.73
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	12	0.73
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	20	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	2	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	2	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	2	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	3	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	3	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	3	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	19	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	19	0.73
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	19	0.73
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	10	0.73
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	10	0.73
(1,1274)	1:102:A:HIS:HB2	1:103:A:ILE:H	10	0.73
(1,1274)	1:102:A:HIS:HB3	1:103:A:ILE:H	10	0.73
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	20	0.73
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	14	0.73
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	14	0.73
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	1	0.73
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	6	0.73
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	8	0.73
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	19	0.73
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	1	0.73
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	16	0.73
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	1	0.73
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	4	0.73
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	12	0.73
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	20	0.73
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	9	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	9	0.73
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	9	0.73
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	10	0.73
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	10	0.73
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	10	0.73
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	12	0.73
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	12	0.73
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	12	0.73
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	13	0.73
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	13	0.73
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	13	0.73
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	17	0.73
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	17	0.73
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	17	0.73
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	2	0.73
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	3	0.73
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	13	0.73
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	9	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	3	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	6	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	10	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	14	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	16	0.73
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	18	0.73
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	6	0.73
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	14	0.73
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	16	0.73
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	4	0.73
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	9	0.73
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	9	0.73
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG2	9	0.73
(1,928)	1:44:A:LYS:H	1:44:A:LYS:HG3	9	0.73
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	6	0.73
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	6	0.73
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	6	0.73
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	11	0.73
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	11	0.73
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	11	0.73
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	11	0.73
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	5	0.73
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	5	0.73
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	5	0.73
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	5	0.73
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	5	0.73
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	12	0.73
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	12	0.73
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	12	0.73
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	12	0.73
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	12	0.73
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	12	0.73
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	17	0.73
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	17	0.73
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	17	0.73
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	17	0.73
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	17	0.73
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	17	0.73
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	6	0.73
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	6	0.73
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	6	0.73
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	18	0.73
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	18	0.73
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	18	0.73
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	18	0.73
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	18	0.73
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	18	0.73
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	18	0.73
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE1	1	0.73
(1,751)	1:115:A:MET:HE1	1:224:A:PHE:HE2	1	0.73
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE1	1	0.73
(1,751)	1:115:A:MET:HE2	1:224:A:PHE:HE2	1	0.73
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE1	1	0.73
(1,751)	1:115:A:MET:HE3	1:224:A:PHE:HE2	1	0.73
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	10	0.73
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	10	0.73
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	10	0.73
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	10	0.73
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	2	0.73
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	2	0.73
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	2	0.73
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	3	0.73
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	3	0.73
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	14	0.73
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	14	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	14	0.73
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	3	0.73
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	3	0.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	20	0.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	20	0.73
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	20	0.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	20	0.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	20	0.73
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	20	0.73
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD11	9	0.73
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD12	9	0.73
(1,583)	1:42:A:MET:HE1	1:61:A:ILE:HD13	9	0.73
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD11	9	0.73
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD12	9	0.73
(1,583)	1:42:A:MET:HE2	1:61:A:ILE:HD13	9	0.73
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD11	9	0.73
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD12	9	0.73
(1,583)	1:42:A:MET:HE3	1:61:A:ILE:HD13	9	0.73
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	13	0.73
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	16	0.73
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	17	0.73
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	17	0.73
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	17	0.73
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	3	0.73
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	3	0.73
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	3	0.73
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	7	0.73
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	7	0.73
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	7	0.73
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	7	0.73
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	6	0.73
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	11	0.73
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	11	0.73
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	4	0.73
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	4	0.73
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	4	0.73
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	8	0.73
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	17	0.73
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	5	0.73
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	5	0.73
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	5	0.73
(1,414)	1:57:A:ARG:HB2	1:58:A:VAL:H	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:57:A:ARG:HB3	1:58:A:VAL:H	13	0.73
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	7	0.73
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	7	0.73
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	3	0.73
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	3	0.73
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	15	0.73
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	14	0.73
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	17	0.73
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	17	0.73
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	17	0.73
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	17	0.73
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	17	0.73
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	17	0.73
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	17	0.73
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	9	0.73
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	9	0.73
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	9	0.73
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	20	0.73
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	20	0.73
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	20	0.73
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	5	0.73
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	5	0.73
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	5	0.73
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	5	0.73
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	15	0.73
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	15	0.73
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	15	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	2	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	2	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	2	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	3	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	3	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	3	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	10	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	10	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	10	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	12	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	12	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	12	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	13	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	13	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	15	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	15	0.73
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	15	0.73
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	8	0.73
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	8	0.73
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	3	0.73
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	3	0.73
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	3	0.73
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	3	0.73
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	3	0.73
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	3	0.73
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	11	0.73
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	11	0.73
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	11	0.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	18	0.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	18	0.73
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	18	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	3	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	3	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	3	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	4	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	4	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	4	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	7	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	7	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	7	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	10	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	10	0.73
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	10	0.73
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	6	0.73
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	16	0.73
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	1	0.73
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	2	0.73
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	3	0.73
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	3	0.73
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	3	0.73
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	16	0.73
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	5	0.73
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	5	0.73
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	20	0.73
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	17	0.72
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	19	0.72
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	19	0.72
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	13	0.72
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	13	0.72
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	13	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	11	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	16	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	16	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	16	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	16	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	16	0.72
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	16	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	8	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	8	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	8	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	8	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	8	0.72
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	8	0.72
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	12	0.72
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	12	0.72
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	12	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	10	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	10	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	10	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	13	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	13	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	13	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	15	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	15	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	15	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	18	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	18	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	18	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	19	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	19	0.72
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	19	0.72
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	17	0.72
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	17	0.72
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	13	0.72
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	13	0.72
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	13	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	4	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	4	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	4	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	5	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	5	0.72
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	5	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	6	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	6	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	6	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	6	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	6	0.72
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	6	0.72
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	19	0.72
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	19	0.72
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	19	0.72
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	4	0.72
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	4	0.72
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	4	0.72
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	4	0.72
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	4	0.72
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	4	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	1	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	1	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	1	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	3	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	3	0.72
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	3	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	13	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	13	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	13	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	13	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	13	0.72
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	13	0.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	13	0.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	13	0.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	13	0.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	13	0.72
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	13	0.72
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	13	0.72
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	3	0.72
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	3	0.72
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	3	0.72
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	3	0.72
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	3	0.72
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	3	0.72
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	3	0.72
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	3	0.72
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	3	0.72
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	7	0.72
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	7	0.72
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	7	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	6	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	6	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	6	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	11	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	11	0.72
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	11	0.72
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	17	0.72
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	17	0.72
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	17	0.72
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	13	0.72
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	13	0.72
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	13	0.72
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	13	0.72
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	13	0.72
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	13	0.72
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	10	0.72
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	10	0.72
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	10	0.72
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	10	0.72
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	10	0.72
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	10	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	1	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	1	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	1	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	1	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	1	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	1	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG21	5	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG22	5	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG23	5	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG11	5	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG12	5	0.72
(1,1939)	1:92:A:ARG:HD3	1:127:A:VAL:HG13	5	0.72
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	7	0.72
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	7	0.72
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	7	0.72
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	10	0.72
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	10	0.72
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	10	0.72
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	10	0.72
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	10	0.72
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	10	0.72
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	3	0.72
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	3	0.72
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	3	0.72
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	13	0.72
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	13	0.72
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	13	0.72
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	13	0.72
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	13	0.72
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	14	0.72
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	14	0.72
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	14	0.72
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	19	0.72
(1,1736)	1:101:A:PRO:HD2	1:104:A:THR:H	19	0.72
(1,1736)	1:101:A:PRO:HD3	1:104:A:THR:H	19	0.72
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	5	0.72
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	5	0.72
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	5	0.72
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	2	0.72
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	2	0.72
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	10	0.72
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	10	0.72
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	13	0.72
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	13	0.72
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	13	0.72
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	15	0.72
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	19	0.72
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	19	0.72
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	2	0.72
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB2	2	0.72
(1,1663)	1:41:A:GLU:H	1:41:A:GLU:HB3	2	0.72
(1,1645)	1:25:A:TYR:HD1	1:26:A:ASP:H	3	0.72
(1,1645)	1:25:A:TYR:HD2	1:26:A:ASP:H	3	0.72
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	4	0.72
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	19	0.72
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	15	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	1	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	1	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	1	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	11	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	11	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	11	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	17	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	17	0.72
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	17	0.72
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	14	0.72
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	14	0.72
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	4	0.72
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	4	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	5	0.72
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	5	0.72
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	10	0.72
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	8	0.72
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	10	0.72
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	10	0.72
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	10	0.72
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	15	0.72
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	15	0.72
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	15	0.72
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	3	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	1	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	1	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	1	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	1	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	4	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	4	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	4	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	4	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	11	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	11	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	11	0.72
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	11	0.72
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	2	0.72
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	2	0.72
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	2	0.72
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	4	0.72
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	4	0.72
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	4	0.72
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	9	0.72
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	9	0.72
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	9	0.72
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	9	0.72
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	5	0.72
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	5	0.72
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	1	0.72
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	1	0.72
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	1	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	1	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	2	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	4	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	7	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	12	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	13	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	15	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	16	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	18	0.72
(1,1385)	1:131:A:THR:HA	1:132:A:ALA:H	19	0.72
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	20	0.72
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	20	0.72
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	20	0.72
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	8	0.72
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	19	0.72
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	19	0.72
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	19	0.72
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	19	0.72
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	5	0.72
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	5	0.72
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	5	0.72
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	5	0.72
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	3	0.72
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	16	0.72
(1,1353)	1:121:A:PRO:HD2	1:122:A:LEU:H	2	0.72
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	17	0.72
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	17	0.72
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	17	0.72
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	10	0.72
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	10	0.72
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	16	0.72
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	16	0.72
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	13	0.72
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	13	0.72
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	13	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	1	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	1	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	1	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	5	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	5	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	5	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	7	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	7	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	7	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	11	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	11	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	11	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	12	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	12	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	12	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	14	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	14	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	14	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	16	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	16	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	16	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	18	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	18	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	18	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	20	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	20	0.72
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	20	0.72
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	3	0.72
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	3	0.72
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	3	0.72
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	10	0.72
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	10	0.72
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	10	0.72
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	11	0.72
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	11	0.72
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	11	0.72
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	4	0.72
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	12	0.72
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	3	0.72
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	12	0.72
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	13	0.72
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	6	0.72
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	7	0.72
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	13	0.72
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	6	0.72
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	10	0.72
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	11	0.72
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	15	0.72
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	16	0.72
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	14	0.72
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	14	0.72
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	3	0.72
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	18	0.72
(1,1032)	1:118:A:LYS:H	1:119:A:GLU:H	4	0.72
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	10	0.72
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	1	0.72
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	1	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	12	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	12	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	12	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	16	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	16	0.72
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	16	0.72
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	14	0.72
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	20	0.72
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	20	0.72
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	20	0.72
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	1	0.72
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	9	0.72
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	1	0.72
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	9	0.72
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	6	0.72
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	15	0.72
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	15	0.72
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	15	0.72
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	9	0.72
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	9	0.72
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	9	0.72
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	9	0.72
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	9	0.72
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	9	0.72
(1,850)	1:224:A:PHE:HB2	1:225:A:LYS:H	16	0.72
(1,850)	1:224:A:PHE:HB3	1:225:A:LYS:H	16	0.72
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	1	0.72
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	1	0.72
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	1	0.72
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	17	0.72
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	17	0.72
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	17	0.72
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	14	0.72
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	14	0.72
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	20	0.72
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	20	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	20	0.72
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	20	0.72
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	20	0.72
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	20	0.72
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	10	0.72
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	13	0.72
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	13	0.72
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	13	0.72
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	11	0.72
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	11	0.72
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	11	0.72
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	11	0.72
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	11	0.72
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	11	0.72
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	11	0.72
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	11	0.72
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	11	0.72
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	11	0.72
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	11	0.72
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	11	0.72
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	11	0.72
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	20	0.72
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	13	0.72
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	13	0.72
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	13	0.72
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	13	0.72
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	13	0.72
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	13	0.72
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	18	0.72
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	18	0.72
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	18	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	6	0.72
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	6	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	6	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	10	0.72
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	10	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	10	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	12	0.72
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	12	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	12	0.72
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	13	0.72
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	13	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	13	0.72
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	6	0.72
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	6	0.72
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	19	0.72
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	19	0.72
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	19	0.72
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	5	0.72
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	5	0.72
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	5	0.72
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	5	0.72
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	5	0.72
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	5	0.72
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	5	0.72
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	5	0.72
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	5	0.72
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	10	0.72
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	10	0.72
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	12	0.72
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	12	0.72
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	12	0.72
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	19	0.72
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	19	0.72
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	19	0.72
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	19	0.72
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	19	0.72
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	19	0.72
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	1	0.72
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	1	0.72
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	11	0.72
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	11	0.72
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	11	0.72
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	1	0.72
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	1	0.72
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	1	0.72
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	1	0.72
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	1	0.72
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	1	0.72
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	14	0.72
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	14	0.72
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	19	0.72
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	19	0.72
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	19	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	19	0.72
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	19	0.72
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	19	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	10	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	10	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	10	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	10	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	18	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	18	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	18	0.72
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	18	0.72
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	4	0.72
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	4	0.72
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	4	0.72
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	4	0.72
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	4	0.72
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	4	0.72
(1,443)	1:42:A:MET:HE1	1:58:A:VAL:HA	10	0.72
(1,443)	1:42:A:MET:HE2	1:58:A:VAL:HA	10	0.72
(1,443)	1:42:A:MET:HE3	1:58:A:VAL:HA	10	0.72
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	19	0.72
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	19	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	13	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	13	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	13	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	13	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	16	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	16	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	16	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	16	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	16	0.72
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	16	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	16	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	16	0.72
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	16	0.72
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	5	0.72
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	4	0.72
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	4	0.72
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	9	0.72
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	9	0.72
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	9	0.72
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	3	0.72
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	3	0.72
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	1	0.72
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	3	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	4	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	4	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	4	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	5	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	5	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	5	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	10	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	10	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	10	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	16	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	16	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	16	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	18	0.72
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	18	0.72
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	18	0.72
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	7	0.72
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	7	0.72
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	7	0.72
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	7	0.72
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	7	0.72
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	7	0.72
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	7	0.72
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	7	0.72
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	7	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	1	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	1	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	1	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	4	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	4	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	4	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	5	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	5	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	6	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	6	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	6	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	7	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	7	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	7	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	8	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	8	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	8	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	9	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	9	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	9	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	11	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	11	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	11	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	14	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	14	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	14	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	16	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	16	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	16	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	17	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	17	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	17	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	18	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	18	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	18	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	19	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	19	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	19	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG21	20	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG22	20	0.72
(1,239)	1:231:A:ILE:H	1:231:A:ILE:HG23	20	0.72
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	15	0.72
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	4	0.72
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	7	0.72
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	3	0.72
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	6	0.72
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	11	0.72
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	12	0.72
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	11	0.71
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD11	1	0.71
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD12	1	0.71
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD13	1	0.71
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD21	1	0.71
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD22	1	0.71
(1,2217)	1:112:A:ALA:H	1:189:A:LEU:HD23	1	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	6	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	6	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	6	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	12	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	12	0.71
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	12	0.71
(1,2183)	1:127:A:VAL:HG11	1:128:A:VAL:H	11	0.71
(1,2183)	1:127:A:VAL:HG12	1:128:A:VAL:H	11	0.71
(1,2183)	1:127:A:VAL:HG13	1:128:A:VAL:H	11	0.71
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	5	0.71
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	5	0.71
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	5	0.71
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	9	0.71
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	9	0.71
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	9	0.71
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	9	0.71
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	9	0.71
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	9	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	4	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	16	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	16	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	16	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	16	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	16	0.71
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	16	0.71
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	4	0.71
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	4	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	4	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	4	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	4	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	4	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	11	0.71
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	11	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	11	0.71
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	11	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	11	0.71
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	11	0.71
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	17	0.71
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	17	0.71
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	17	0.71
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	1	0.71
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	1	0.71
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	1	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	12	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	12	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	12	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	16	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	16	0.71
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	16	0.71
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	6	0.71
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	6	0.71
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	6	0.71
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	6	0.71
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	6	0.71
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	6	0.71
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	1	0.71
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	1	0.71
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	1	0.71
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	13	0.71
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	13	0.71
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	13	0.71
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	7	0.71
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	7	0.71
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	7	0.71
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	20	0.71
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	20	0.71
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	20	0.71
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.71
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.71
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.71
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	7	0.71
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	7	0.71
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	7	0.71
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	7	0.71
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	7	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	3	0.71
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	3	0.71
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	4	0.71
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	4	0.71
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	4	0.71
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	11	0.71
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	11	0.71
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	11	0.71
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	11	0.71
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	11	0.71
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	11	0.71
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	11	0.71
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	11	0.71
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	11	0.71
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	5	0.71
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	5	0.71
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	5	0.71
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	5	0.71
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	5	0.71
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	5	0.71
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	10	0.71
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	10	0.71
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	10	0.71
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	16	0.71
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	16	0.71
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	16	0.71
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	16	0.71
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	16	0.71
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	16	0.71
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	6	0.71
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	6	0.71
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	6	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	2	0.71
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	2	0.71
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	18	0.71
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	18	0.71
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	20	0.71
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.71
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	20	0.71
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	14	0.71
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	14	0.71
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD1	1	0.71
(1,1684)	1:46:A:PHE:H	1:46:A:PHE:HD2	1	0.71
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	16	0.71
(1,1673)	1:42:A:MET:HB2	1:43:A:GLN:H	16	0.71
(1,1673)	1:42:A:MET:HB3	1:43:A:GLN:H	16	0.71
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	7	0.71
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	7	0.71
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	14	0.71
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	14	0.71
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	13	0.71
(1,1605)	1:235:A:GLN:H	1:236:A:LYS:H	12	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	14	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	14	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	14	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	15	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	15	0.71
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	15	0.71
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	13	0.71
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	13	0.71
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	13	0.71
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	9	0.71
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	12	0.71
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	7	0.71
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	13	0.71
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	13	0.71
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	8	0.71
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	17	0.71
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	17	0.71
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	17	0.71
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	15	0.71
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	15	0.71
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	15	0.71
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	18	0.71
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	18	0.71
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	13	0.71
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	13	0.71
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	11	0.71
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	11	0.71
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	11	0.71
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	11	0.71
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	14	0.71
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	14	0.71
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	14	0.71
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	14	0.71
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	2	0.71
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	4	0.71
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	13	0.71
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	15	0.71
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB2	12	0.71
(1,1339)	1:119:A:GLU:H	1:119:A:GLU:HB3	12	0.71
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	12	0.71
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	12	0.71
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	17	0.71
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	17	0.71
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	17	0.71
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	19	0.71
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	19	0.71
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	19	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	8	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	8	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	8	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	13	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	13	0.71
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	13	0.71
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	11	0.71
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	11	0.71
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	11	0.71
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	19	0.71
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	19	0.71
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	19	0.71
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	20	0.71
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	3	0.71
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	3	0.71
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	2	0.71
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	4	0.71
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	5	0.71
(1,1133)	1:116:A:TRP:HE1	1:197:A:GLY:H	17	0.71
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	17	0.71
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	16	0.71
(1,1111)	1:178:A:TRP:H	1:178:A:TRP:HD1	8	0.71
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	16	0.71
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	16	0.71
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	11	0.71
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	19	0.71
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	12	0.71
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	12	0.71
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	12	0.71
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	12	0.71
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	8	0.71
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	8	0.71
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	8	0.71
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	2	0.71
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	2	0.71
(1,879)	1:140:A:ARG:HG3	1:149:A:PHE:HB3	2	0.71
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	15	0.71
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	15	0.71
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	19	0.71
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	19	0.71
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	19	0.71
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	19	0.71
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	17	0.71
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	17	0.71
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	17	0.71
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	14	0.71
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	14	0.71
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	14	0.71
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	14	0.71
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	14	0.71
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	14	0.71
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	16	0.71
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	16	0.71
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	16	0.71
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	3	0.71
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	15	0.71
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	18	0.71
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	18	0.71
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	18	0.71
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	18	0.71
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	18	0.71
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	18	0.71
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	18	0.71
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	18	0.71
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	11	0.71
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	13	0.71
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	16	0.71
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	16	0.71
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	16	0.71
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	16	0.71
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	7	0.71
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	7	0.71
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	7	0.71
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	7	0.71
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	7	0.71
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	7	0.71
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	7	0.71
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	7	0.71
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	7	0.71
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG12	11	0.71
(1,665)	1:58:A:VAL:HA	1:61:A:ILE:HG13	11	0.71
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	5	0.71
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	12	0.71
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	16	0.71
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG12	16	0.71
(1,655)	1:50:A:ILE:H	1:50:A:ILE:HG13	16	0.71
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	2	0.71
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	2	0.71
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	2	0.71
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	2	0.71
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	2	0.71
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	2	0.71
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	5	0.71
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	5	0.71
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	5	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	1	0.71
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	1	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	11	0.71
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	11	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	11	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	19	0.71
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	19	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	19	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	20	0.71
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	20	0.71
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	20	0.71
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	11	0.71
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	11	0.71
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	11	0.71
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	17	0.71
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	17	0.71
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	3	0.71
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	3	0.71
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	3	0.71
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	3	0.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	13	0.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	13	0.71
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	13	0.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	13	0.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	13	0.71
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	13	0.71
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	2	0.71
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	12	0.71
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	12	0.71
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	12	0.71
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	12	0.71
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	12	0.71
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	12	0.71
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	1	0.71
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	14	0.71
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	2	0.71
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	6	0.71
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	2	0.71
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	2	0.71
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	2	0.71
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	10	0.71
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	17	0.71
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	2	0.71
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	2	0.71
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	15	0.71
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	15	0.71
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	15	0.71
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	15	0.71
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	15	0.71
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	15	0.71
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	4	0.71
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	4	0.71
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	4	0.71
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	4	0.71
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	4	0.71
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	4	0.71
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	12	0.71
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	12	0.71
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	12	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	2	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	2	0.71
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	2	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	6	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	6	0.71
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	6	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	17	0.71
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	17	0.71
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	17	0.71
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	14	0.71
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	14	0.71
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	14	0.71
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	14	0.71
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	2	0.71
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	2	0.71
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	2	0.71
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	2	0.71
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	2	0.71
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	2	0.71
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	10	0.71
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	10	0.71
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	5	0.71
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	5	0.71
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	5	0.71
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	2	0.71
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	2	0.71
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	8	0.71
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	8	0.71
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	8	0.71
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	6	0.71
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	6	0.71
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	2	0.71
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	16	0.71
(1,114)	1:117:A:GLY:HA2	1:120:A:ILE:H	3	0.71
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	16	0.71
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	5	0.71
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	5	0.71
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	1	0.71
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	9	0.71
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	15	0.71
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	1	0.71
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	3	0.71
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	3	0.71
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	1	0.71
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	1	0.71
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	4	0.71
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	6	0.71
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	5	0.7
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	16	0.7
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	4	0.7
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	4	0.7
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	4	0.7
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	1	0.7
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	1	0.7
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	1	0.7
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	9	0.7
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	9	0.7
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	9	0.7
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	20	0.7
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	20	0.7
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	20	0.7
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	3	0.7
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	3	0.7
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	3	0.7
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	18	0.7
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	18	0.7
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	18	0.7
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	18	0.7
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	18	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	11	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	11	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	11	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	14	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	14	0.7
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	14	0.7
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	6	0.7
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	6	0.7
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	6	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	3	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	3	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	3	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	3	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	3	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	3	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	11	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	11	0.7
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	11	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	11	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	11	0.7
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	11	0.7
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	5	0.7
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	5	0.7
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	5	0.7
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	1	0.7
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	1	0.7
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	1	0.7
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	1	0.7
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	1	0.7
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	1	0.7
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	4	0.7
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	4	0.7
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	4	0.7
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	4	0.7
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	4	0.7
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	4	0.7
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	12	0.7
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	12	0.7
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	1	0.7
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	1	0.7
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	1	0.7
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	15	0.7
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	15	0.7
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	15	0.7
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	19	0.7
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	19	0.7
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	19	0.7
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	17	0.7
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	17	0.7
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	17	0.7
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	17	0.7
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	17	0.7
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	17	0.7
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	2	0.7
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	2	0.7
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	2	0.7
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	2	0.7
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	2	0.7
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	2	0.7
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	2	0.7
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	2	0.7
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	2	0.7
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	18	0.7
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	18	0.7
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	18	0.7
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	13	0.7
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	13	0.7
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	13	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	3	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	5	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	7	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	8	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	9	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	9	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	10	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	11	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	14	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	17	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	18	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.7
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.7
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	1	0.7
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	1	0.7
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	1	0.7
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	1	0.7
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	1	0.7
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	1	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	6	0.7
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	6	0.7
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	6	0.7
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	6	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	5	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	5	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	6	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	6	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	16	0.7
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	16	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	6	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	6	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	8	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	8	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	13	0.7
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	13	0.7
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	13	0.7
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	13	0.7
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	13	0.7
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	13	0.7
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	4	0.7
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	19	0.7
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	19	0.7
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	20	0.7
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	20	0.7
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	16	0.7
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	16	0.7
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	11	0.7
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	11	0.7
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	11	0.7
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB2	17	0.7
(1,1687)	1:48:A:LEU:H	1:48:A:LEU:HB3	17	0.7
(1,1685)	1:46:A:PHE:HB2	1:47:A:GLY:H	4	0.7
(1,1685)	1:46:A:PHE:HB3	1:47:A:GLY:H	4	0.7
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	9	0.7
(1,1668)	1:41:A:GLU:HG2	1:42:A:MET:H	18	0.7
(1,1668)	1:41:A:GLU:HG3	1:42:A:MET:H	18	0.7
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	2	0.7
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	7	0.7
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	7	0.7
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	7	0.7
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	11	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	11	0.7
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	13	0.7
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	13	0.7
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	13	0.7
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB2	3	0.7
(1,1582)	1:226:A:LEU:H	1:226:A:LEU:HB3	3	0.7
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	17	0.7
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	17	0.7
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	15	0.7
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	15	0.7
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	15	0.7
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	1	0.7
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	6	0.7
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	11	0.7
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	15	0.7
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	2	0.7
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	3	0.7
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	3	0.7
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	3	0.7
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	10	0.7
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	10	0.7
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	19	0.7
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	20	0.7
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	20	0.7
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	19	0.7
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	8	0.7
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	8	0.7
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	8	0.7
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	3	0.7
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	3	0.7
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	2	0.7
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	2	0.7
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	2	0.7
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	2	0.7
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	15	0.7
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	15	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	2	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	2	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	2	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	2	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	3	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	3	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	3	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	7	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	7	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	7	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	7	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	10	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	10	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	10	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	10	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	16	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	16	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	16	0.7
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	16	0.7
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	15	0.7
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	1	0.7
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	1	0.7
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	16	0.7
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	14	0.7
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	14	0.7
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	14	0.7
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	13	0.7
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	13	0.7
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	13	0.7
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	18	0.7
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	18	0.7
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	18	0.7
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	8	0.7
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	8	0.7
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	8	0.7
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	1	0.7
(1,1181)	1:237:A:LEU:H	1:238:A:TYR:H	18	0.7
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	7	0.7
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	10	0.7
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	20	0.7
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	7	0.7
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	8	0.7
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	3	0.7
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	10	0.7
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	10	0.7
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	6	0.7
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	11	0.7
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	8	0.7
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	8	0.7
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	8	0.7
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	7	0.7
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	18	0.7
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	18	0.7
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	4	0.7
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	7	0.7
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	10	0.7
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	10	0.7
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	10	0.7
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	10	0.7
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	11	0.7
(1,944)	1:43:A:GLN:HE22	1:53:A:MET:H	11	0.7
(1,944)	1:43:A:GLN:HE21	1:53:A:MET:H	11	0.7
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	11	0.7
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	11	0.7
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	1	0.7
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	5	0.7
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	7	0.7
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	9	0.7
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	20	0.7
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	20	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	5	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	5	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	5	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	13	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	13	0.7
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	13	0.7
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	7	0.7
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	7	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	7	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	7	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	7	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	7	0.7
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	12	0.7
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	12	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	12	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	12	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	12	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	18	0.7
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	18	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	18	0.7
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	18	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	18	0.7
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	18	0.7
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	4	0.7
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	4	0.7
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	4	0.7
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	3	0.7
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	5	0.7
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	5	0.7
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	19	0.7
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	19	0.7
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	19	0.7
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	19	0.7
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	19	0.7
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	19	0.7
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	10	0.7
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	10	0.7
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	10	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	3	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	3	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	3	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	20	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	20	0.7
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	20	0.7
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	4	0.7
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	19	0.7
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	2	0.7
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	2	0.7
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	2	0.7
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	2	0.7
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	2	0.7
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	2	0.7
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	2	0.7
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	2	0.7
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	2	0.7
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE2	7	0.7
(1,754)	1:118:A:LYS:H	1:118:A:LYS:HE3	7	0.7
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	8	0.7
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	8	0.7
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	20	0.7
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	20	0.7
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	20	0.7
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	20	0.7
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB2	17	0.7
(1,688)	1:63:A:GLN:H	1:63:A:GLN:HB3	17	0.7
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	9	0.7
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	9	0.7
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	15	0.7
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	15	0.7
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	15	0.7
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	13	0.7
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	13	0.7
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	13	0.7
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	13	0.7
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	13	0.7
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	13	0.7
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	7	0.7
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	7	0.7
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	7	0.7
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	16	0.7
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	16	0.7
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	16	0.7
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	11	0.7
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	11	0.7
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	11	0.7
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	14	0.7
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	14	0.7
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	14	0.7
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	15	0.7
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	15	0.7
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	15	0.7
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	16	0.7
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	16	0.7
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	16	0.7
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	11	0.7
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	11	0.7
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	8	0.7
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	8	0.7
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	8	0.7
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	8	0.7
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	8	0.7
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	8	0.7
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	8	0.7
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	8	0.7
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	19	0.7
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	19	0.7
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	6	0.7
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	6	0.7
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	6	0.7
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	10	0.7
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	3	0.7
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	3	0.7
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	5	0.7
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	5	0.7
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	19	0.7
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	19	0.7
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	1	0.7
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	1	0.7
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	1	0.7
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	1	0.7
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	1	0.7
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	1	0.7
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	12	0.7
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	12	0.7
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	12	0.7
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	12	0.7
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	9	0.7
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	9	0.7
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	9	0.7
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	9	0.7
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	9	0.7
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	9	0.7
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	4	0.7
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	4	0.7
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	4	0.7
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	4	0.7
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	4	0.7
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	4	0.7
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	12	0.7
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	12	0.7
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	12	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	16	0.7
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	16	0.7
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	16	0.7
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	1	0.7
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	4	0.7
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	16	0.7
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	12	0.7
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	12	0.7
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	12	0.7
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	4	0.7
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	4	0.7
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	4	0.7
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	4	0.7
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	4	0.7
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	4	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	7	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	7	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	7	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	7	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	7	0.7
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	7	0.7
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	7	0.7
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	7	0.7
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	7	0.7
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	13	0.7
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	13	0.7
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	13	0.7
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	13	0.7
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	13	0.7
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	13	0.7
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	8	0.7
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	8	0.7
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	1	0.7
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	1	0.7
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	1	0.7
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	1	0.7
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	15	0.7
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	15	0.7
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	15	0.7
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	15	0.7
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	15	0.7
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	1	0.7
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	1	0.7
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	10	0.7
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	10	0.7
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	14	0.7
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	14	0.7
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	14	0.7
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	14	0.7
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	14	0.7
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	14	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	3	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	3	0.7
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	3	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	7	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	7	0.7
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	7	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	12	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	12	0.7
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	12	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	19	0.7
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	19	0.7
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	19	0.7
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	16	0.7
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	16	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	14	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	14	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	14	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	17	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	17	0.7
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	17	0.7
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	11	0.7
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	11	0.7
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	7	0.7
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	7	0.7
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	7	0.7
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	14	0.7
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	14	0.7
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	12	0.7
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	12	0.7
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	12	0.7
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	12	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	5	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	5	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	5	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	10	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	10	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	10	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	12	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	12	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	12	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	14	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	14	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	14	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	15	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	15	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	15	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	17	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	17	0.7
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	17	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	14	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	14	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	14	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	16	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	16	0.7
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	16	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	4	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	4	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	4	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	18	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	18	0.7
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	18	0.7
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	19	0.7
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	12	0.7
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	7	0.7
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	7	0.7
(1,62)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	7	0.7
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	4	0.7
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	13	0.7
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	4	0.7
(1,9)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	4	0.7
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	4	0.7
(1,9)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	4	0.7
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	4	0.7
(1,9)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	4	0.7
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	17	0.7
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	8	0.7
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	14	0.69
(4,34)	2:302:A:CA:CA	1:153:A:GLY:O	18	0.69
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	14	0.69
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	14	0.69
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	14	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	16	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	16	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	16	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	20	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	20	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	20	0.69
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	8	0.69
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	8	0.69
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	8	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	12	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	12	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	12	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	18	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	18	0.69
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	18	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	3	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	3	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	3	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	17	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	17	0.69
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	17	0.69
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	7	0.69
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	20	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	20	0.69
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	20	0.69
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	20	0.69
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	20	0.69
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	20	0.69
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	9	0.69
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	9	0.69
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	9	0.69
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	8	0.69
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	8	0.69
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	8	0.69
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	8	0.69
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	8	0.69
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	8	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	10	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	10	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	10	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	10	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	10	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	10	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	15	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	15	0.69
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	15	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	15	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	15	0.69
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	15	0.69
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	7	0.69
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	7	0.69
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	7	0.69
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	18	0.69
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	18	0.69
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	18	0.69
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	19	0.69
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	19	0.69
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	19	0.69
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	1	0.69
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	1	0.69
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	1	0.69
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	4	0.69
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	4	0.69
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	4	0.69
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	6	0.69
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	6	0.69
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	14	0.69
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	14	0.69
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	14	0.69
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	20	0.69
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	20	0.69
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	20	0.69
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	4	0.69
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	4	0.69
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	4	0.69
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD21	14	0.69
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD22	14	0.69
(1,2021)	1:84:A:TRP:HE1	1:200:A:LEU:HD23	14	0.69
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	1	0.69
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	1	0.69
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	1	0.69
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	1	0.69
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	1	0.69
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	1	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	8	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	8	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	8	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	8	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	14	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	14	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	14	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	14	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	18	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	18	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	18	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	18	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	18	0.69
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	18	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	18	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	18	0.69
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	18	0.69
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	4	0.69
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	4	0.69
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	4	0.69
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	4	0.69
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	4	0.69
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	4	0.69
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	6	0.69
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	6	0.69
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	6	0.69
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	19	0.69
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	19	0.69
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	19	0.69
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	8	0.69
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	8	0.69
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	8	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	1	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	2	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	12	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	13	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	15	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	16	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	16	0.69
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	16	0.69
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	20	0.69
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	20	0.69
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	20	0.69
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	20	0.69
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	20	0.69
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	20	0.69
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	20	0.69
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	20	0.69
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	20	0.69
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	16	0.69
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	16	0.69
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	16	0.69
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	8	0.69
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	8	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	2	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	2	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	3	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	3	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	4	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	4	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	5	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	5	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	7	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	7	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	9	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	9	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	10	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	10	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	12	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	12	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	17	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	17	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	19	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	20	0.69
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	20	0.69
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	18	0.69
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	18	0.69
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	18	0.69
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	18	0.69
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	11	0.69
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	11	0.69
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	15	0.69
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	15	0.69
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	11	0.69
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	16	0.69
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	20	0.69
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	12	0.69
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	12	0.69
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	17	0.69
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	17	0.69
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	15	0.69
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	15	0.69
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	16	0.69
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	12	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	19	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	19	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	19	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	20	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	20	0.69
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	20	0.69
(1,1577)	1:213:A:TYR:HB2	1:215:A:THR:H	2	0.69
(1,1577)	1:213:A:TYR:HB3	1:215:A:THR:H	2	0.69
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	14	0.69
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	4	0.69
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	20	0.69
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	3	0.69
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	7	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	6	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	6	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	6	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	6	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	17	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	17	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	17	0.69
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	11	0.69
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	11	0.69
(1,1373)	1:126:A:LYS:HG2	1:127:A:VAL:H	11	0.69
(1,1373)	1:126:A:LYS:HG3	1:127:A:VAL:H	11	0.69
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	3	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	1	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	1	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	1	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	1	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	5	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	5	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	5	0.69
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	5	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	4	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	4	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	4	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	4	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	12	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	12	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	12	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	12	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	19	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	19	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	19	0.69
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	19	0.69
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	8	0.69
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	9	0.69
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	12	0.69
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	7	0.69
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	7	0.69
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	13	0.69
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	18	0.69
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	18	0.69
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	18	0.69
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	12	0.69
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	12	0.69
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	12	0.69
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	14	0.69
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	14	0.69
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	14	0.69
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	1	0.69
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	1	0.69
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	1	0.69
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	16	0.69
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	18	0.69
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	5	0.69
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	14	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	1	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	3	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	13	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	17	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	19	0.69
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	20	0.69
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	3	0.69
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	3	0.69
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	3	0.69
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	5	0.69
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	5	0.69
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	12	0.69
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	12	0.69
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	6	0.69
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	19	0.69
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	6	0.69
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	5	0.69
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	20	0.69
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	5	0.69
(1,1027)	1:116:A:TRP:HE1	1:197:A:GLY:H	17	0.69
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	11	0.69
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	11	0.69
(1,1010)	1:103:A:ILE:HG12	1:104:A:THR:H	16	0.69
(1,1010)	1:103:A:ILE:HG13	1:104:A:THR:H	16	0.69
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	8	0.69
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	12	0.69
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	14	0.69
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	10	0.69
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	17	0.69
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	3	0.69
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	18	0.69
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	18	0.69
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	4	0.69
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	10	0.69
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	11	0.69
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	14	0.69
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	16	0.69
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	5	0.69
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	8	0.69
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	14	0.69
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	18	0.69
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	19	0.69
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	14	0.69
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	14	0.69
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	14	0.69
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	14	0.69
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	14	0.69
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	14	0.69
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	6	0.69
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	6	0.69
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	15	0.69
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	15	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	2	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	2	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	2	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	10	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	10	0.69
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	10	0.69
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	1	0.69
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	19	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	2	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	4	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	5	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	7	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	10	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	12	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	19	0.69
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	20	0.69
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	18	0.69
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	18	0.69
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	19	0.69
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	19	0.69
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	7	0.69
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	7	0.69
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	9	0.69
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	9	0.69
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	9	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	3	0.69
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	3	0.69
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	3	0.69
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	3	0.69
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	3	0.69
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	3	0.69
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	3	0.69
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	3	0.69
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	3	0.69
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	3	0.69
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	3	0.69
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	15	0.69
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	15	0.69
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	5	0.69
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	15	0.69
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	18	0.69
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	5	0.69
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	7	0.69
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	14	0.69
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	14	0.69
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	11	0.69
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	11	0.69
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	11	0.69
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	10	0.69
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	13	0.69
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	18	0.69
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	18	0.69
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	18	0.69
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	18	0.69
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	18	0.69
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	18	0.69
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	18	0.69
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	18	0.69
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	18	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	4	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	4	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	4	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	11	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	11	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	11	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	14	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	14	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	17	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	17	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	17	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	18	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	18	0.69
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	18	0.69
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	2	0.69
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	2	0.69
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	17	0.69
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	17	0.69
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	17	0.69
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	17	0.69
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	17	0.69
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	17	0.69
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	3	0.69
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	3	0.69
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	3	0.69
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	3	0.69
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	17	0.69
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	2	0.69
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	2	0.69
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	10	0.69
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	12	0.69
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	8	0.69
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	13	0.69
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	13	0.69
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	13	0.69
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	13	0.69
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	13	0.69
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	13	0.69
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	1	0.69
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	1	0.69
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	1	0.69
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	12	0.69
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	12	0.69
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	12	0.69
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	12	0.69
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	12	0.69
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	12	0.69
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	12	0.69
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	12	0.69
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	12	0.69
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	12	0.69
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	12	0.69
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	12	0.69
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	12	0.69
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	12	0.69
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	12	0.69
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	12	0.69
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	12	0.69
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	17	0.69
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	17	0.69
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	17	0.69
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	16	0.69
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	16	0.69
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	6	0.69
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	6	0.69
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	6	0.69
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	6	0.69
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	6	0.69
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	6	0.69
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	18	0.69
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	18	0.69
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	18	0.69
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	18	0.69
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	18	0.69
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	18	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	2	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	2	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	2	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	2	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	9	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	9	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG2	9	0.69
(1,193)	1:118:A:LYS:H	1:118:A:LYS:HG3	9	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	1	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	1	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	2	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	2	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	2	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	3	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	3	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	3	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	4	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	4	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	4	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	6	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	6	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	6	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	7	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	7	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	7	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	8	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	8	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	8	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	11	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	11	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	11	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	13	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	13	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	13	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	16	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	16	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	16	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	19	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	19	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	19	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	20	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	20	0.69
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	20	0.69
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	13	0.69
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	13	0.69
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	13	0.69
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	13	0.69
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	13	0.69
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	13	0.69
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	13	0.69
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	13	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	13	0.69
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	12	0.69
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	12	0.69
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	12	0.69
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	16	0.69
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	16	0.69
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	16	0.69
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	16	0.69
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	16	0.69
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	16	0.69
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	2	0.69
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	2	0.69
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	2	0.69
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	2	0.69
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	2	0.69
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	2	0.69
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	19	0.69
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	19	0.69
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	19	0.69
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	19	0.69
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	11	0.69
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	1	0.69
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	6	0.69
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	15	0.69
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	12	0.69
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	12	0.69
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	12	0.69
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	12	0.69
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	9	0.69
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	12	0.69
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	17	0.69
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	9	0.69
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	9	0.69
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	5	0.69
(1,10)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	5	0.69
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	5	0.69
(1,10)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	5	0.69
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	5	0.69
(1,10)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	5	0.69
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	13	0.69
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	13	0.69
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	2	0.68
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	2	0.68
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	14	0.68
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	14	0.68
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	14	0.68
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	20	0.68
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	20	0.68
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	20	0.68
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	1	0.68
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	1	0.68
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	1	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	1	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	1	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	1	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	3	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	3	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	3	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	5	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	5	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	5	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	11	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	11	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	11	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	16	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	16	0.68
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	16	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	13	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	13	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	13	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	19	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	19	0.68
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	19	0.68
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	1	0.68
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	1	0.68
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	1	0.68
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	1	0.68
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	1	0.68
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	1	0.68
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	16	0.68
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	16	0.68
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	16	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	7	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	7	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	7	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	7	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	7	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	18	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	18	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	18	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	18	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	18	0.68
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	18	0.68
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	18	0.68
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	18	0.68
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	18	0.68
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	17	0.68
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	17	0.68
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	17	0.68
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	17	0.68
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	17	0.68
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	17	0.68
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	4	0.68
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	4	0.68
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	4	0.68
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	4	0.68
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	4	0.68
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	4	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	17	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	17	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	17	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	20	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	20	0.68
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	20	0.68
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	14	0.68
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	14	0.68
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	14	0.68
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	14	0.68
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	14	0.68
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	14	0.68
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	4	0.68
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	4	0.68
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	4	0.68
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	8	0.68
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	8	0.68
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	11	0.68
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	11	0.68
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	11	0.68
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	19	0.68
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	19	0.68
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	19	0.68
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	15	0.68
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	15	0.68
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	15	0.68
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	16	0.68
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	16	0.68
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	16	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	14	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	14	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	14	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	17	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	17	0.68
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	17	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	3	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	3	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	3	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	3	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	3	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	3	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	3	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	3	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	3	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	6	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	6	0.68
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	6	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	6	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	6	0.68
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	6	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	6	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	6	0.68
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	6	0.68
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	17	0.68
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	17	0.68
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	17	0.68
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	6	0.68
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	6	0.68
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	18	0.68
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	18	0.68
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	18	0.68
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	18	0.68
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	18	0.68
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	18	0.68
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	18	0.68
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	18	0.68
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	18	0.68
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	1	0.68
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	1	0.68
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	1	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	4	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	6	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	6	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG11	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG12	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG13	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG21	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG22	1:95:A:SER:H	19	0.68
(1,1863)	1:94:A:VAL:HG23	1:95:A:SER:H	19	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	9	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	9	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	9	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	19	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	19	0.68
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	19	0.68
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE1	8	0.68
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE2	8	0.68
(1,1829)	1:94:A:VAL:HG21	1:135:A:MET:HE3	8	0.68
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE1	8	0.68
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE2	8	0.68
(1,1829)	1:94:A:VAL:HG22	1:135:A:MET:HE3	8	0.68
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE1	8	0.68
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE2	8	0.68
(1,1829)	1:94:A:VAL:HG23	1:135:A:MET:HE3	8	0.68
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	10	0.68
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	10	0.68
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	10	0.68
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	11	0.68
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	11	0.68
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	11	0.68
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	11	0.68
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	11	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	3	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	3	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	3	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	20	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	20	0.68
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	20	0.68
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	13	0.68
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	13	0.68
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	13	0.68
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	8	0.68
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	8	0.68
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	19	0.68
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	19	0.68
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	19	0.68
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	2	0.68
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	13	0.68
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	18	0.68
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	19	0.68
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	2	0.68
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	4	0.68
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	15	0.68
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	7	0.68
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	7	0.68
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	7	0.68
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	11	0.68
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	12	0.68
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	20	0.68
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	20	0.68
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	20	0.68
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	20	0.68
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	7	0.68
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	16	0.68
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	1	0.68
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	1	0.68
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	2	0.68
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	2	0.68
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	10	0.68
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	10	0.68
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	13	0.68
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	16	0.68
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	13	0.68
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	17	0.68
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	17	0.68
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	17	0.68
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	17	0.68
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	17	0.68
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	17	0.68
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	6	0.68
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	17	0.68
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	18	0.68
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	18	0.68
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	18	0.68
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	18	0.68
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	7	0.68
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	8	0.68
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	2	0.68
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	2	0.68
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	15	0.68
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	4	0.68
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	4	0.68
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	10	0.68
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	10	0.68
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	11	0.68
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	11	0.68
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	11	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	10	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	10	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	10	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	15	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	15	0.68
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	15	0.68
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	2	0.68
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	2	0.68
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	2	0.68
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	7	0.68
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	7	0.68
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	7	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	1	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	1	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	2	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	2	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	2	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	3	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	3	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	3	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	5	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	5	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	5	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	6	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	6	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	6	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	7	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	7	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	7	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	9	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	9	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	9	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	11	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	11	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	11	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	12	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	12	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	12	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	13	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	13	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	13	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	14	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	14	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	14	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	15	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	15	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	15	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	16	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	16	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	16	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	17	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	17	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	17	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	18	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	18	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	19	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	19	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	19	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	20	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	20	0.68
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	20	0.68
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	18	0.68
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	18	0.68
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	18	0.68
(1,1266)	1:99:A:ASP:HB2	1:100:A:LEU:H	10	0.68
(1,1266)	1:99:A:ASP:HB3	1:100:A:LEU:H	10	0.68
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	16	0.68
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	16	0.68
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	16	0.68
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	16	0.68
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	1	0.68
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	1	0.68
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	1	0.68
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	2	0.68
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	2	0.68
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	2	0.68
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	10	0.68
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	19	0.68
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	19	0.68
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	19	0.68
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	17	0.68
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	12	0.68
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	13	0.68
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	18	0.68
(1,1131)	1:194:A:HIS:H	1:195:A:ALA:H	19	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	2	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	8	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	9	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	10	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	14	0.68
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	18	0.68
(1,1123)	1:186:A:ILE:HD11	1:187:A:ASN:H	11	0.68
(1,1123)	1:186:A:ILE:HD12	1:187:A:ASN:H	11	0.68
(1,1123)	1:186:A:ILE:HD13	1:187:A:ASN:H	11	0.68
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	16	0.68
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	16	0.68
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	16	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	3	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	3	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	3	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	3	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	4	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	4	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	4	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	4	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	6	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	6	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	6	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	6	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	8	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	8	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	8	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	8	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	9	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	9	0.68
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	9	0.68
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	9	0.68
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	5	0.68
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	1	0.68
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	9	0.68
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	11	0.68
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	15	0.68
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	5	0.68
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	5	0.68
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	2	0.68
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	9	0.68
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	18	0.68
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	20	0.68
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	1	0.68
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	8	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	1	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	3	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	13	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	17	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	19	0.68
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	13	0.68
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	3	0.68
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	3	0.68
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	12	0.68
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	9	0.68
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	12	0.68
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	17	0.68
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	5	0.68
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	8	0.68
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	8	0.68
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	4	0.68
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	4	0.68
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	4	0.68
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	5	0.68
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	5	0.68
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	5	0.68
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	5	0.68
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	5	0.68
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	5	0.68
(1,762)	1:121:A:PRO:HG2	1:239:A:GLY:HA3	3	0.68
(1,762)	1:121:A:PRO:HG3	1:239:A:GLY:HA3	3	0.68
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	14	0.68
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	17	0.68
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	9	0.68
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	9	0.68
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	19	0.68
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	19	0.68
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	19	0.68
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	12	0.68
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	13	0.68
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	13	0.68
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	20	0.68
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	20	0.68
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	20	0.68
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	19	0.68
(1,590)	1:96:A:TYR:HB2	1:102:A:HIS:HD2	19	0.68
(1,590)	1:96:A:TYR:HB3	1:102:A:HIS:HD2	19	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	2	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	2	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	2	0.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	2	0.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	2	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD11	3	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD12	3	0.68
(1,584)	1:46:A:PHE:HD1	1:61:A:ILE:HD13	3	0.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD11	3	0.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD12	3	0.68
(1,584)	1:46:A:PHE:HD2	1:61:A:ILE:HD13	3	0.68
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	19	0.68
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	11	0.68
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	11	0.68
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	11	0.68
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	17	0.68
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	12	0.68
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	12	0.68
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	12	0.68
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	16	0.68
(1,498)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	16	0.68
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	16	0.68
(1,498)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	16	0.68
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	16	0.68
(1,498)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	16	0.68
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	13	0.68
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	7	0.68
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	10	0.68
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	10	0.68
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	10	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	1	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	1	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	1	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	8	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	8	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	8	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	10	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	10	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	10	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	12	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	12	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	12	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	15	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	15	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	15	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD11	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD12	16	0.68
(1,403)	1:61:A:ILE:HA	1:61:A:ILE:HD13	16	0.68
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	3	0.68
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	3	0.68
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	1	0.68
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	16	0.68
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	2	0.68
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	2	0.68
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	2	0.68
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	2	0.68
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	2	0.68
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	2	0.68
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	15	0.68
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	15	0.68
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	9	0.68
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	9	0.68
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	8	0.68
(1,252)	1:113:A:LEU:HB2	1:114:A:ASN:H	8	0.68
(1,252)	1:113:A:LEU:HB3	1:114:A:ASN:H	8	0.68
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	6	0.68
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	6	0.68
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	16	0.68
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	16	0.68
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	16	0.68
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	16	0.68
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	16	0.68
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	16	0.68
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	16	0.68
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	16	0.68
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	16	0.68
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	5	0.68
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	5	0.68
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	5	0.68
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	16	0.68
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	16	0.68
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	16	0.68
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	16	0.68
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	16	0.68
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	16	0.68
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	9	0.68
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	9	0.68
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG21	18	0.68
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG22	18	0.68
(1,191)	1:136:A:ILE:H	1:136:A:ILE:HG23	18	0.68
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	17	0.68
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	17	0.68
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	17	0.68
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	17	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	4	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	4	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	4	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	10	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	10	0.68
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	10	0.68
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	15	0.68
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	15	0.68
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	15	0.68
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	14	0.68
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	14	0.68
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	14	0.68
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	9	0.68
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	9	0.68
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	12	0.68
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	3	0.68
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	17	0.68
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	6	0.68
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	6	0.68
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	6	0.68
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	6	0.68
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	8	0.68
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	8	0.68
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	8	0.68
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	2	0.68
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	12	0.68
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	12	0.68
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	12	0.68
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	20	0.68
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	20	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	4	0.67
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	4	0.67
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	4	0.67
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	10	0.67
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	10	0.67
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	10	0.67
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	5	0.67
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	5	0.67
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	5	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	14	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	14	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	14	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	19	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	19	0.67
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	19	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	11	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	11	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	11	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	14	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	14	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	14	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	16	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	16	0.67
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	16	0.67
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	6	0.67
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	6	0.67
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	6	0.67
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	5	0.67
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	5	0.67
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	5	0.67
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	9	0.67
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	9	0.67
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	9	0.67
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	9	0.67
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	9	0.67
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	9	0.67
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	20	0.67
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	20	0.67
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	20	0.67
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	20	0.67
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	20	0.67
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	4	0.67
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	4	0.67
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	4	0.67
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	5	0.67
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	5	0.67
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	5	0.67
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	15	0.67
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	15	0.67
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	15	0.67
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	15	0.67
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	15	0.67
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	15	0.67
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	15	0.67
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	15	0.67
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	15	0.67
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	15	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	5	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	5	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	5	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	7	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	7	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	7	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	9	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	9	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	9	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	10	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	10	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	10	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	17	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	17	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	17	0.67
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	18	0.67
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	18	0.67
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	18	0.67
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	5	0.67
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	5	0.67
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	13	0.67
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	13	0.67
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	13	0.67
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	8	0.67
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	8	0.67
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	8	0.67
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG21	11	0.67
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG22	11	0.67
(1,2011)	1:86:A:SER:HB2	1:89:A:VAL:HG23	11	0.67
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG21	11	0.67
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG22	11	0.67
(1,2011)	1:86:A:SER:HB3	1:89:A:VAL:HG23	11	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	10	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	10	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	10	0.67
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	10	0.67
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	10	0.67
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	10	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	10	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	10	0.67
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	10	0.67
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	19	0.67
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	19	0.67
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	19	0.67
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	12	0.67
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	12	0.67
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	12	0.67
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	12	0.67
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	12	0.67
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	12	0.67
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	12	0.67
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	12	0.67
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	12	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	11	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	11	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	11	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	19	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	19	0.67
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	19	0.67
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	14	0.67
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	14	0.67
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	5	0.67
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	5	0.67
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	5	0.67
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	5	0.67
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	5	0.67
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	5	0.67
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	11	0.67
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	11	0.67
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	11	0.67
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	4	0.67
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	4	0.67
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	4	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	15	0.67
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	15	0.67
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	2	0.67
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	2	0.67
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	2	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	10	0.67
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	10	0.67
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	10	0.67
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	3	0.67
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	3	0.67
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	18	0.67
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	18	0.67
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	12	0.67
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	14	0.67
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	15	0.67
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	15	0.67
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	9	0.67
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	9	0.67
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	9	0.67
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	19	0.67
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	19	0.67
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	19	0.67
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	1	0.67
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	3	0.67
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	20	0.67
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	6	0.67
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	7	0.67
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	12	0.67
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	12	0.67
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	12	0.67
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	20	0.67
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	2	0.67
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	8	0.67
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	8	0.67
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	12	0.67
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	7	0.67
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	7	0.67
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	11	0.67
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	5	0.67
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	5	0.67
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	14	0.67
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	14	0.67
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	8	0.67
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	8	0.67
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	8	0.67
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	14	0.67
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	14	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	14	0.67
(1,1460)	1:161:A:ALA:HB1	1:163:A:GLY:H	11	0.67
(1,1460)	1:161:A:ALA:HB2	1:163:A:GLY:H	11	0.67
(1,1460)	1:161:A:ALA:HB3	1:163:A:GLY:H	11	0.67
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	13	0.67
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	19	0.67
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	19	0.67
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	19	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	8	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	8	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	8	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	8	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	10	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	10	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	10	0.67
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	10	0.67
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	1	0.67
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	13	0.67
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	14	0.67
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	19	0.67
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	15	0.67
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	15	0.67
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	15	0.67
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	14	0.67
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	14	0.67
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	14	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	2	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	2	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	7	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	7	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	8	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	8	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	13	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	13	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	18	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	18	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	19	0.67
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	19	0.67
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	17	0.67
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	17	0.67
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	17	0.67
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	1	0.67
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	1	0.67
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	5	0.67
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	5	0.67
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	5	0.67
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	8	0.67
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	8	0.67
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	8	0.67
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	4	0.67
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	4	0.67
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	4	0.67
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	9	0.67
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	13	0.67
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	2	0.67
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	13	0.67
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	16	0.67
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	16	0.67
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	7	0.67
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	7	0.67
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	1	0.67
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	1	0.67
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	5	0.67
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	4	0.67
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	19	0.67
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	5	0.67
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	10	0.67
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	9	0.67
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	12	0.67
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	17	0.67
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	1	0.67
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	1	0.67
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	9	0.67
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	11	0.67
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	11	0.67
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	11	0.67
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	11	0.67
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	2	0.67
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	2	0.67
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	2	0.67
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	2	0.67
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	7	0.67
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	8	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	17	0.67
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	19	0.67
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	14	0.67
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	19	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	3	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	5	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	7	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	11	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	13	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	15	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	16	0.67
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	19	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	2	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	8	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	9	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	10	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	14	0.67
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	18	0.67
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	15	0.67
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	18	0.67
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	5	0.67
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	5	0.67
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	8	0.67
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	20	0.67
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	9	0.67
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	9	0.67
(1,879)	1:140:A:ARG:HG3	1:149:A:PHE:HB3	9	0.67
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	8	0.67
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	8	0.67
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	8	0.67
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	11	0.67
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	11	0.67
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	11	0.67
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	16	0.67
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	16	0.67
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	16	0.67
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	16	0.67
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	16	0.67
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	16	0.67
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	16	0.67
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	16	0.67
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	3	0.67
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	20	0.67
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	20	0.67
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	20	0.67
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	20	0.67
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	20	0.67
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	20	0.67
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	1	0.67
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	1	0.67
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	6	0.67
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	6	0.67
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	6	0.67
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	6	0.67
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	6	0.67
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	6	0.67
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	4	0.67
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	4	0.67
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	4	0.67
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	7	0.67
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	7	0.67
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	10	0.67
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	10	0.67
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	10	0.67
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	16	0.67
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	16	0.67
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	16	0.67
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	16	0.67
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	18	0.67
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	13	0.67
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	13	0.67
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	13	0.67
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	1	0.67
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	5	0.67
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	18	0.67
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	18	0.67
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	18	0.67
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	16	0.67
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	16	0.67
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	16	0.67
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	16	0.67
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	16	0.67
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	9	0.67
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	6	0.67
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	6	0.67
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	6	0.67
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	6	0.67
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	6	0.67
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	6	0.67
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	15	0.67
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	15	0.67
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	15	0.67
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	3	0.67
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	5	0.67
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	3	0.67
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	3	0.67
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	3	0.67
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	3	0.67
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	3	0.67
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	3	0.67
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	7	0.67
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	7	0.67
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	2	0.67
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	2	0.67
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	18	0.67
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	18	0.67
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	11	0.67
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	11	0.67
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	11	0.67
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	17	0.67
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	17	0.67
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	12	0.67
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	12	0.67
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	12	0.67
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	12	0.67
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	12	0.67
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	12	0.67
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	15	0.67
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	15	0.67
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	15	0.67
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	11	0.67
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	11	0.67
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	11	0.67
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	16	0.67
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	16	0.67
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	5	0.67
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	5	0.67
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	12	0.67
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	12	0.67
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	9	0.67
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	7	0.67
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	3	0.67
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	3	0.67
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	3	0.67
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	2	0.67
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	2	0.67
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	2	0.67
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	2	0.67
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	2	0.67
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	2	0.67
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	2	0.67
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	2	0.67
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	2	0.67
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	2	0.67
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	2	0.67
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	2	0.67
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	2	0.67
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	2	0.67
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	2	0.67
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	2	0.67
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	2	0.67
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	2	0.67
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	12	0.67
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	12	0.67
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	12	0.67
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	12	0.67
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	12	0.67
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	12	0.67
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	7	0.67
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	7	0.67
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	7	0.67
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	5	0.67
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	5	0.67
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	5	0.67
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	5	0.67
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	5	0.67
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	5	0.67
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG2	13	0.67
(1,199)	1:42:A:MET:HE1	1:62:A:MET:HG3	13	0.67
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG2	13	0.67
(1,199)	1:42:A:MET:HE2	1:62:A:MET:HG3	13	0.67
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG2	13	0.67
(1,199)	1:42:A:MET:HE3	1:62:A:MET:HG3	13	0.67
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	1	0.67
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	1	0.67
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	1	0.67
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	1	0.67
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	1	0.67
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	1	0.67
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	19	0.67
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	19	0.67
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	19	0.67
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	3	0.67
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	3	0.67
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	3	0.67
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	3	0.67
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	3	0.67
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	3	0.67
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	14	0.67
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	14	0.67
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	14	0.67
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	14	0.67
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	17	0.67
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	9	0.67
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	9	0.67
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	12	0.67
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	2	0.67
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	11	0.67
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	19	0.67
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	10	0.67
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	6	0.67
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	17	0.67
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	5	0.67
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	10	0.67
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	12	0.67
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	14	0.67
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	19	0.67
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	4	0.67
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	14	0.67
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	18	0.67
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	5	0.66
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	15	0.66
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	15	0.66
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	15	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	3	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	3	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	3	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	5	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	5	0.66
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	5	0.66
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	2	0.66
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	2	0.66
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	2	0.66
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	15	0.66
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	15	0.66
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	15	0.66
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	15	0.66
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	15	0.66
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	15	0.66
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG21	7	0.66
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG22	7	0.66
(1,2166)	1:88:A:VAL:H	1:89:A:VAL:HG23	7	0.66
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	18	0.66
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	18	0.66
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	18	0.66
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	10	0.66
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	10	0.66
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	10	0.66
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	11	0.66
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	11	0.66
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	11	0.66
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	11	0.66
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	11	0.66
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	13	0.66
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	13	0.66
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	13	0.66
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	13	0.66
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	13	0.66
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	13	0.66
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	18	0.66
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	18	0.66
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	18	0.66
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	18	0.66
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	18	0.66
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	18	0.66
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	6	0.66
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	6	0.66
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	6	0.66
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	8	0.66
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	8	0.66
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	8	0.66
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	15	0.66
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	15	0.66
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	15	0.66
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	11	0.66
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	11	0.66
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	11	0.66
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	17	0.66
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	17	0.66
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	17	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	2	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	2	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	2	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	14	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	14	0.66
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	14	0.66
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	5	0.66
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	5	0.66
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	5	0.66
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	9	0.66
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	9	0.66
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	9	0.66
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	9	0.66
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	9	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	9	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	9	0.66
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	9	0.66
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	2	0.66
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	2	0.66
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	2	0.66
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	2	0.66
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	2	0.66
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	2	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	14	0.66
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	14	0.66
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	4	0.66
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	4	0.66
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	4	0.66
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	2	0.66
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	9	0.66
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	1	0.66
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	1	0.66
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	1	0.66
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	4	0.66
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	5	0.66
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	6	0.66
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	3	0.66
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	3	0.66
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	3	0.66
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	5	0.66
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	7	0.66
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	13	0.66
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	6	0.66
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	8	0.66
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	16	0.66
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	9	0.66
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	11	0.66
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	1	0.66
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	5	0.66
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	2	0.66
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	2	0.66
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	8	0.66
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	8	0.66
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	8	0.66
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	15	0.66
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	15	0.66
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	3	0.66
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	9	0.66
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	10	0.66
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	19	0.66
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	19	0.66
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	19	0.66
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	1	0.66
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	1	0.66
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	1	0.66
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	4	0.66
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	4	0.66
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	4	0.66
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	11	0.66
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	18	0.66
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	18	0.66
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	18	0.66
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	18	0.66
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	18	0.66
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	20	0.66
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	20	0.66
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	20	0.66
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	16	0.66
(1,1456)	1:160:A:PHE:HB3	1:161:A:ALA:H	2	0.66
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	2	0.66
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	9	0.66
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	4	0.66
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	4	0.66
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	17	0.66
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	17	0.66
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	17	0.66
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	9	0.66
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	12	0.66
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	20	0.66
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	16	0.66
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	16	0.66
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	16	0.66
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	16	0.66
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	17	0.66
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	6	0.66
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	6	0.66
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	6	0.66
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	20	0.66
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	10	0.66
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	10	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	1	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	1	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	3	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	3	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	5	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	5	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	6	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	6	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	9	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	9	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	11	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	14	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	14	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	15	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	15	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	17	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	17	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB2	20	0.66
(1,1306)	1:110:A:SER:H	1:110:A:SER:HB3	20	0.66
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	6	0.66
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	6	0.66
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	6	0.66
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	20	0.66
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	20	0.66
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	20	0.66
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG21	10	0.66
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG22	10	0.66
(1,1276)	1:104:A:THR:H	1:104:A:THR:HG23	10	0.66
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	3	0.66
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	17	0.66
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	17	0.66
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	17	0.66
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	16	0.66
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	20	0.66
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	20	0.66
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	9	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	1	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	1	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	6	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	6	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	7	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	7	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	9	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	9	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	11	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	11	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	19	0.66
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	19	0.66
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	16	0.66
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	16	0.66
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	11	0.66
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	7	0.66
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	14	0.66
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	19	0.66
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	19	0.66
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	19	0.66
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	19	0.66
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	11	0.66
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	11	0.66
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	11	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	3	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	6	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	10	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	14	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	16	0.66
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	18	0.66
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	1	0.66
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	4	0.66
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	6	0.66
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	17	0.66
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	12	0.66
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	12	0.66
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	3	0.66
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	15	0.66
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	2	0.66
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	17	0.66
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	19	0.66
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	2	0.66
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	17	0.66
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	19	0.66
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	17	0.66
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	6	0.66
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	13	0.66
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	13	0.66
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	13	0.66
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	13	0.66
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	13	0.66
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	13	0.66
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	20	0.66
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	20	0.66
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	20	0.66
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	20	0.66
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	20	0.66
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB2	7	0.66
(1,862)	1:37:A:ALA:HA	1:40:A:LYS:HB3	7	0.66
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	2	0.66
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	17	0.66
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	17	0.66
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	17	0.66
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	17	0.66
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	17	0.66
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	17	0.66
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	17	0.66
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	17	0.66
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	3	0.66
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	3	0.66
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	3	0.66
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	3	0.66
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	3	0.66
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	3	0.66
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	16	0.66
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	12	0.66
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	12	0.66
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	12	0.66
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	12	0.66
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	15	0.66
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	15	0.66
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	15	0.66
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	15	0.66
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	15	0.66
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	15	0.66
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	15	0.66
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	15	0.66
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	15	0.66
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	4	0.66
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	4	0.66
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	4	0.66
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	3	0.66
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	3	0.66
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	3	0.66
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	3	0.66
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	3	0.66
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	3	0.66
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	17	0.66
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	13	0.66
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	2	0.66
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	17	0.66
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	17	0.66
(1,540)	1:86:A:SER:HB2	1:88:A:VAL:H	7	0.66
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	3	0.66
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	3	0.66
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	3	0.66
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	15	0.66
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	10	0.66
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	10	0.66
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	10	0.66
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	7	0.66
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	7	0.66
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	7	0.66
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	7	0.66
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	7	0.66
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	7	0.66
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	12	0.66
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	12	0.66
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	12	0.66
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	12	0.66
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	12	0.66
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	12	0.66
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	12	0.66
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	12	0.66
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	12	0.66
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	8	0.66
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	14	0.66
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	14	0.66
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	14	0.66
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	17	0.66
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	17	0.66
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	17	0.66
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	17	0.66
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	17	0.66
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	17	0.66
(1,397)	1:35:A:LEU:HB2	1:36:A:GLU:H	2	0.66
(1,397)	1:35:A:LEU:HB3	1:36:A:GLU:H	2	0.66
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	13	0.66
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	16	0.66
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	16	0.66
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	17	0.66
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	17	0.66
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	5	0.66
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	5	0.66
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	6	0.66
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	6	0.66
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	13	0.66
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	13	0.66
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	8	0.66
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	8	0.66
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	8	0.66
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	4	0.66
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	4	0.66
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	4	0.66
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	4	0.66
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	4	0.66
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	4	0.66
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	20	0.66
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	20	0.66
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	20	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	1	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	1	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	1	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	18	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	18	0.66
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	18	0.66
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	9	0.66
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	9	0.66
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	9	0.66
(1,303)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	9	0.66
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	4	0.66
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	4	0.66
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	4	0.66
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	7	0.66
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	17	0.66
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	17	0.66
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	17	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	6	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	6	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	6	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	6	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	6	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	6	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	10	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	10	0.66
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	10	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	10	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	10	0.66
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	10	0.66
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	18	0.66
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	18	0.66
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	18	0.66
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	17	0.66
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	17	0.66
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	17	0.66
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	12	0.66
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	12	0.66
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	3	0.66
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	3	0.66
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	3	0.66
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	6	0.66
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	6	0.66
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	6	0.66
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	20	0.66
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	20	0.66
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	20	0.66
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	20	0.66
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	20	0.66
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	20	0.66
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	20	0.66
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	20	0.66
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	20	0.66
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	9	0.66
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	9	0.66
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	9	0.66
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE1	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE2	16	0.66
(1,171)	1:19:A:LEU:HG	1:62:A:MET:HE3	16	0.66
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	11	0.66
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	11	0.66
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	11	0.66
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	14	0.66
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	14	0.66
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	14	0.66
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	13	0.66
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	20	0.66
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	14	0.66
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	14	0.66
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	7	0.66
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	7	0.66
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	7	0.66
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	3	0.65
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	7	0.65
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	10	0.65
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	16	0.65
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	9	0.65
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	9	0.65
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	9	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	12	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	20	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	20	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	20	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	20	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	20	0.65
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	20	0.65
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	9	0.65
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	9	0.65
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	9	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	1	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	1	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	1	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	5	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	5	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	10	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	10	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	10	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	16	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	16	0.65
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	16	0.65
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	7	0.65
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	7	0.65
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	7	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	1	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	1	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	1	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	10	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	10	0.65
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	10	0.65
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	5	0.65
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	13	0.65
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	13	0.65
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	13	0.65
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	13	0.65
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	13	0.65
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	13	0.65
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	18	0.65
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	18	0.65
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	18	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	17	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	17	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	17	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	17	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	17	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	17	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	19	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	19	0.65
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	19	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	19	0.65
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	19	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	19	0.65
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	10	0.65
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	10	0.65
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	10	0.65
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	11	0.65
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	11	0.65
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	11	0.65
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	1	0.65
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	1	0.65
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	1	0.65
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	2	0.65
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	2	0.65
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	2	0.65
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	10	0.65
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	10	0.65
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	10	0.65
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	3	0.65
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	3	0.65
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	3	0.65
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	3	0.65
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	3	0.65
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	3	0.65
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	12	0.65
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	12	0.65
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	12	0.65
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	12	0.65
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	12	0.65
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	12	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	3	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	3	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	3	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	13	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	13	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	13	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	15	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	15	0.65
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	15	0.65
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG21	7	0.65
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG22	7	0.65
(1,1979)	1:57:A:ARG:HB2	1:58:A:VAL:HG23	7	0.65
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG21	7	0.65
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG22	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1979)	1:57:A:ARG:HB3	1:58:A:VAL:HG23	7	0.65
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	5	0.65
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	5	0.65
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	5	0.65
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	5	0.65
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	5	0.65
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	5	0.65
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	5	0.65
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	5	0.65
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	5	0.65
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	4	0.65
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	4	0.65
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	4	0.65
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	4	0.65
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	4	0.65
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	4	0.65
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	14	0.65
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	14	0.65
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	14	0.65
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	14	0.65
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	14	0.65
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	14	0.65
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	14	0.65
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	14	0.65
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	14	0.65
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	9	0.65
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	9	0.65
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	15	0.65
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	4	0.65
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	14	0.65
(1,1629)	1:20:A:LYS:H	1:21:A:ARG:H	15	0.65
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	3	0.65
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	3	0.65
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	3	0.65
(1,1567)	1:205:A:SER:HB3	1:207:A:ASP:H	7	0.65
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	15	0.65
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	5	0.65
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	5	0.65
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	5	0.65
(1,1539)	1:194:A:HIS:HA	1:197:A:GLY:H	7	0.65
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	12	0.65
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	13	0.65
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	13	0.65
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	13	0.65
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	8	0.65
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	14	0.65
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	15	0.65
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	9	0.65
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	7	0.65
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	7	0.65
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	7	0.65
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	8	0.65
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	8	0.65
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	19	0.65
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	3	0.65
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	4	0.65
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	1	0.65
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	2	0.65
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	2	0.65
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	2	0.65
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	2	0.65
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	8	0.65
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	8	0.65
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	8	0.65
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	9	0.65
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	9	0.65
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	9	0.65
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	11	0.65
(1,1356)	1:122:A:LEU:HA	1:123:A:HIS:H	20	0.65
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	18	0.65
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	1	0.65
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	1	0.65
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	1	0.65
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	3	0.65
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	3	0.65
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	10	0.65
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	19	0.65
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	7	0.65
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	7	0.65
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	7	0.65
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	4	0.65
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	4	0.65
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	9	0.65
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB2	9	0.65
(1,1294)	1:108:A:LEU:H	1:108:A:LEU:HB3	9	0.65
(1,1285)	1:93:A:ILE:HD11	1:106:A:ASP:H	16	0.65
(1,1285)	1:93:A:ILE:HD12	1:106:A:ASP:H	16	0.65
(1,1285)	1:93:A:ILE:HD13	1:106:A:ASP:H	16	0.65
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	14	0.65
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	14	0.65
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	14	0.65
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	7	0.65
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	7	0.65
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	20	0.65
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	20	0.65
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	10	0.65
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	15	0.65
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	18	0.65
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	10	0.65
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	4	0.65
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	7	0.65
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	16	0.65
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	12	0.65
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	4	0.65
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	4	0.65
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	15	0.65
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	8	0.65
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	15	0.65
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	1	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	1	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	1	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	1	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	1	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	2	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	2	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	2	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	2	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	5	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	5	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	5	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	5	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	7	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	7	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	7	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	10	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	10	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	10	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	10	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	13	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	13	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	13	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	13	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	14	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	14	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	14	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	14	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	15	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	15	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	15	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	15	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	16	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	16	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	16	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	16	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	18	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	18	0.65
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	18	0.65
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	18	0.65
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	13	0.65
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	13	0.65
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	13	0.65
(1,1035)	1:118:A:LYS:H	1:119:A:GLU:H	4	0.65
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	8	0.65
(1,1000)	1:193:A:THR:H	1:194:A:HIS:H	10	0.65
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	15	0.65
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	4	0.65
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	4	0.65
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	4	0.65
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	11	0.65
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	7	0.65
(1,949)	1:57:A:ARG:H	1:58:A:VAL:H	17	0.65
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	5	0.65
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	6	0.65
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	19	0.65
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	20	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	20	0.65
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	1	0.65
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	5	0.65
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	14	0.65
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	11	0.65
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	19	0.65
(1,870)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	19	0.65
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	19	0.65
(1,870)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	19	0.65
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	19	0.65
(1,870)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	19	0.65
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	15	0.65
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	15	0.65
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	15	0.65
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	15	0.65
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	15	0.65
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	15	0.65
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	11	0.65
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	11	0.65
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	4	0.65
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	6	0.65
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	6	0.65
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	6	0.65
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	6	0.65
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	6	0.65
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	6	0.65
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	6	0.65
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	6	0.65
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	6	0.65
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	10	0.65
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	10	0.65
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	10	0.65
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	10	0.65
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	10	0.65
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	10	0.65
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	20	0.65
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	20	0.65
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	20	0.65
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	20	0.65
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	20	0.65
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	20	0.65
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	14	0.65
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	13	0.65
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	13	0.65
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	13	0.65
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	16	0.65
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	16	0.65
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	16	0.65
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	9	0.65
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	9	0.65
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	9	0.65
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	9	0.65
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	4	0.65
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	8	0.65
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	8	0.65
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	8	0.65
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	6	0.65
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	6	0.65
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	6	0.65
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	6	0.65
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	6	0.65
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	6	0.65
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	6	0.65
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	6	0.65
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	6	0.65
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	15	0.65
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	15	0.65
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	15	0.65
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	9	0.65
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	9	0.65
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	10	0.65
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	10	0.65
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	18	0.65
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	18	0.65
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	17	0.65
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	17	0.65
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	17	0.65
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	17	0.65
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	18	0.65
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	18	0.65
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	18	0.65
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	3	0.65
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	7	0.65
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB2	4	0.65
(1,515)	1:103:A:ILE:HA	1:106:A:ASP:HB3	4	0.65
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	5	0.65
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	15	0.65
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	15	0.65
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	15	0.65
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	5	0.65
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	11	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	6	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	6	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	6	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	6	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	6	0.65
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	6	0.65
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	6	0.65
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	6	0.65
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	6	0.65
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	0.65
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	20	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	12	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	12	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	17	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	17	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	19	0.65
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	19	0.65
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	6	0.65
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	6	0.65
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	6	0.65
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	6	0.65
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	6	0.65
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	6	0.65
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	8	0.65
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	8	0.65
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	8	0.65
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	8	0.65
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	8	0.65
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	8	0.65
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	11	0.65
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	11	0.65
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	1	0.65
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	1	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	2	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	2	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	6	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	6	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	15	0.65
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	15	0.65
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	8	0.65
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	8	0.65
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	2	0.65
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	10	0.65
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	15	0.65
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	15	0.65
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	15	0.65
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	15	0.65
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	2	0.65
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	2	0.65
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	2	0.65
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	11	0.65
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	11	0.65
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	11	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	1	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	1	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	1	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	9	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	9	0.65
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	9	0.65
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	1	0.65
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	17	0.65
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	9	0.65
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	9	0.65
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	9	0.65
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	9	0.65
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	13	0.65
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	13	0.65
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	17	0.65
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	17	0.65
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	13	0.65
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	13	0.65
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	13	0.65
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	1	0.65
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD1	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:138:A:PHE:H	1:138:A:PHE:HD2	14	0.65
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	3	0.64
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	3	0.64
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	3	0.64
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	4	0.64
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	4	0.64
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	4	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	4	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	8	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	9	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	12	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	13	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	15	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	17	0.64
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	10	0.64
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	10	0.64
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	10	0.64
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	2	0.64
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	2	0.64
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	2	0.64
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	8	0.64
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	8	0.64
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	8	0.64
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	14	0.64
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	14	0.64
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	14	0.64
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	17	0.64
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	17	0.64
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	17	0.64
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	8	0.64
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	8	0.64
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	8	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	9	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	17	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	17	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	17	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	17	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	17	0.64
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	17	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	11	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	11	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	11	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	15	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	15	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	15	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	17	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	17	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	17	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	19	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	19	0.64
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	19	0.64
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	20	0.64
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	20	0.64
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	20	0.64
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	8	0.64
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	8	0.64
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	8	0.64
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	11	0.64
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	17	0.64
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	17	0.64
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	17	0.64
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	17	0.64
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	17	0.64
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	17	0.64
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	12	0.64
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	12	0.64
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	12	0.64
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	15	0.64
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	15	0.64
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	15	0.64
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	10	0.64
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	10	0.64
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	10	0.64
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	19	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	19	0.64
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	19	0.64
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	2	0.64
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	2	0.64
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	2	0.64
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	2	0.64
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	2	0.64
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	2	0.64
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	12	0.64
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	12	0.64
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	12	0.64
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	12	0.64
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	12	0.64
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	12	0.64
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	9	0.64
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	9	0.64
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	9	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	7	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	7	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	7	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	7	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	7	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	7	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	20	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	20	0.64
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	20	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	20	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	20	0.64
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	20	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	17	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	17	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	17	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	18	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	18	0.64
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	18	0.64
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	9	0.64
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	9	0.64
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	9	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	8	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	8	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	8	0.64
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	8	0.64
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	8	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	8	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	8	0.64
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	8	0.64
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	19	0.64
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	19	0.64
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	19	0.64
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	1	0.64
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	1	0.64
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	1	0.64
(1,2029)	1:94:A:VAL:HG21	1:95:A:SER:H	16	0.64
(1,2029)	1:94:A:VAL:HG22	1:95:A:SER:H	16	0.64
(1,2029)	1:94:A:VAL:HG23	1:95:A:SER:H	16	0.64
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	3	0.64
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	3	0.64
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	3	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	18	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	18	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	18	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG11	19	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG12	19	0.64
(1,2024)	1:89:A:VAL:H	1:89:A:VAL:HG13	19	0.64
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	5	0.64
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	5	0.64
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	5	0.64
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	5	0.64
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	5	0.64
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	5	0.64
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	5	0.64
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	5	0.64
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	5	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	6	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	6	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	6	0.64
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	6	0.64
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	6	0.64
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	6	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	20	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	20	0.64
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	20	0.64
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	20	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	20	0.64
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	20	0.64
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	7	0.64
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	7	0.64
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	7	0.64
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	10	0.64
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	10	0.64
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	10	0.64
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	10	0.64
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	10	0.64
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	10	0.64
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	10	0.64
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	10	0.64
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	10	0.64
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	20	0.64
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	20	0.64
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	20	0.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	16	0.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	16	0.64
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	16	0.64
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	16	0.64
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	16	0.64
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	16	0.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	16	0.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	16	0.64
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	16	0.64
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	16	0.64
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	16	0.64
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	16	0.64
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	16	0.64
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	13	0.64
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	13	0.64
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	13	0.64
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	15	0.64
(1,1803)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	15	0.64
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	15	0.64
(1,1803)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	15	0.64
(1,1803)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	15	0.64
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	13	0.64
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	13	0.64
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	13	0.64
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	13	0.64
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	10	0.64
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	1	0.64
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	2	0.64
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	14	0.64
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	14	0.64
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	7	0.64
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	10	0.64
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	17	0.64
(1,1723)	1:70:A:PRO:HB2	1:71:A:ASP:H	4	0.64
(1,1723)	1:70:A:PRO:HB3	1:71:A:ASP:H	4	0.64
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	6	0.64
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	18	0.64
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	18	0.64
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	18	0.64
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	2	0.64
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	2	0.64
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	6	0.64
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	6	0.64
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	6	0.64
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	9	0.64
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	2	0.64
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	2	0.64
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	11	0.64
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	15	0.64
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	16	0.64
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	16	0.64
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	16	0.64
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	15	0.64
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	5	0.64
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	5	0.64
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	5	0.64
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	11	0.64
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	11	0.64
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	11	0.64
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	15	0.64
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	15	0.64
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	17	0.64
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	18	0.64
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	10	0.64
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	10	0.64
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	10	0.64
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	19	0.64
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	19	0.64
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	19	0.64
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	1	0.64
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	6	0.64
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	6	0.64
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	12	0.64
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	12	0.64
(1,1428)	1:148:A:PRO:HB2	1:149:A:PHE:H	14	0.64
(1,1428)	1:148:A:PRO:HB3	1:149:A:PHE:H	14	0.64
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	8	0.64
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	10	0.64
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	12	0.64
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	17	0.64
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	17	0.64
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	17	0.64
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	17	0.64
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	11	0.64
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	11	0.64
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	16	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	7	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	7	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	7	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	7	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	9	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	9	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	9	0.64
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	9	0.64
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	9	0.64
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	16	0.64
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	16	0.64
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	20	0.64
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	20	0.64
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	20	0.64
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	8	0.64
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	8	0.64
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	12	0.64
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	12	0.64
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	12	0.64
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	14	0.64
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	14	0.64
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	8	0.64
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	17	0.64
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	6	0.64
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	1	0.64
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	8	0.64
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	5	0.64
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	6	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	1	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	3	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	5	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	9	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	11	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	13	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	14	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	18	0.64
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	20	0.64
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	7	0.64
(1,1092)	1:167:A:GLY:HA2	1:169:A:ASP:H	7	0.64
(1,1092)	1:167:A:GLY:HA3	1:169:A:ASP:H	7	0.64
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	20	0.64
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	15	0.64
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	18	0.64
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	17	0.64
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	17	0.64
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	17	0.64
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	17	0.64
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	20	0.64
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	20	0.64
(1,1046)	1:125:A:ARG:HB2	1:126:A:LYS:H	20	0.64
(1,1046)	1:125:A:ARG:HB3	1:126:A:LYS:H	20	0.64
(1,1033)	1:117:A:GLY:H	1:118:A:LYS:H	3	0.64
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	2	0.64
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	4	0.64
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	5	0.64
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	6	0.64
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	7	0.64
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	16	0.64
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	5	0.64
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	17	0.64
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	4	0.64
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	2	0.64
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	18	0.64
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	5	0.64
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	16	0.64
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	5	0.64
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	16	0.64
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	2	0.64
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	2	0.64
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	2	0.64
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	2	0.64
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	2	0.64
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	2	0.64
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	3	0.64
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	3	0.64
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	3	0.64
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	3	0.64
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	3	0.64
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	3	0.64
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	12	0.64
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	12	0.64
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	12	0.64
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	1	0.64
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	8	0.64
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	8	0.64
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	8	0.64
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	8	0.64
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	8	0.64
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	8	0.64
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	4	0.64
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	3	0.64
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	3	0.64
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	3	0.64
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	3	0.64
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	8	0.64
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	6	0.64
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	6	0.64
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	6	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	6	0.64
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	4	0.64
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	4	0.64
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	4	0.64
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	14	0.64
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	14	0.64
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	14	0.64
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	14	0.64
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	3	0.64
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	3	0.64
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	3	0.64
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	7	0.64
(1,640)	1:36:A:GLU:HB3	1:37:A:ALA:H	7	0.64
(1,640)	1:36:A:GLU:HB2	1:37:A:ALA:H	7	0.64
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	20	0.64
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	20	0.64
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	20	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	12	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	12	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	14	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	14	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	19	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	19	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG2	20	0.64
(1,600)	1:235:A:GLN:H	1:235:A:GLN:HG3	20	0.64
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	14	0.64
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	14	0.64
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	14	0.64
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	9	0.64
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	9	0.64
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	17	0.64
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	17	0.64
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	17	0.64
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	17	0.64
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	17	0.64
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	17	0.64
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	5	0.64
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	10	0.64
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	12	0.64
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	18	0.64
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	20	0.64
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	8	0.64
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	2	0.64
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	3	0.64
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	3	0.64
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	3	0.64
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	3	0.64
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	3	0.64
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	3	0.64
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	4	0.64
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	4	0.64
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	4	0.64
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	1	0.64
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	1	0.64
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	1	0.64
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	3	0.64
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	5	0.64
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	5	0.64
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	5	0.64
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	9	0.64
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	18	0.64
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	20	0.64
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	16	0.64
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	16	0.64
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	16	0.64
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	16	0.64
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	16	0.64
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	16	0.64
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	16	0.64
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	7	0.64
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	7	0.64
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	15	0.64
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	15	0.64
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	15	0.64
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	15	0.64
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	15	0.64
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	15	0.64
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	5	0.64
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	5	0.64
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	5	0.64
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	5	0.64
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	5	0.64
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	20	0.64
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	20	0.64
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	12	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	4	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	4	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	8	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	8	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	16	0.64
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	16	0.64
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	6	0.64
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	5	0.64
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	5	0.64
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	5	0.64
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	9	0.64
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	9	0.64
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	9	0.64
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	9	0.64
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	9	0.64
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	9	0.64
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD11	2	0.64
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD12	2	0.64
(1,253)	1:134:A:ILE:HB	1:136:A:ILE:HD13	2	0.64
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	15	0.64
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	15	0.64
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	15	0.64
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	15	0.64
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	15	0.64
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	15	0.64
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	15	0.64
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	15	0.64
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	15	0.64
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	19	0.64
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	19	0.64
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	19	0.64
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	11	0.64
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	11	0.64
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	8	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	8	0.64
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	8	0.64
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	8	0.64
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	8	0.64
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	8	0.64
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	4	0.64
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	4	0.64
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	4	0.64
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	4	0.64
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	9	0.64
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	9	0.64
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	9	0.64
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	8	0.64
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	8	0.64
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	8	0.64
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	3	0.64
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	3	0.64
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	3	0.64
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	3	0.64
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	3	0.64
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	3	0.64
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	15	0.64
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	17	0.64
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	4	0.64
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	6	0.64
(1,109)	1:107:A:ARG:HA	1:110:A:SER:H	9	0.64
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD1	10	0.64
(1,94)	1:75:A:TYR:HA	1:75:A:TYR:HD2	10	0.64
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	16	0.64
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	7	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	7	0.64
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	8	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	8	0.64
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	9	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	9	0.64
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	11	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	11	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	13	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	13	0.64
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	16	0.64
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	16	0.64
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	3	0.64
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	1	0.63
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	6	0.63
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	11	0.63
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	14	0.63
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	5	0.63
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	5	0.63
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	5	0.63
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	3	0.63
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	3	0.63
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	3	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	6	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	7	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	14	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	18	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	18	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	18	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	18	0.63
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	18	0.63
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	15	0.63
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	15	0.63
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	15	0.63
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	12	0.63
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	12	0.63
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	12	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	3	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	3	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	3	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	12	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	12	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	12	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	14	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	14	0.63
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	14	0.63
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	2	0.63
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	2	0.63
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	2	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	8	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	8	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	8	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	8	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	8	0.63
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	8	0.63
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	9	0.63
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	9	0.63
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	9	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	2	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	2	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	2	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	2	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	2	0.63
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	2	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	11	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	11	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	11	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	14	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	14	0.63
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	13	0.63
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	13	0.63
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	13	0.63
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	13	0.63
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	13	0.63
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	13	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	3	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	3	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	3	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	4	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	4	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	4	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	5	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	5	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	5	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	6	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	6	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	6	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	12	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	12	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	12	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	13	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	13	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	13	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	16	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	16	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	16	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	19	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	19	0.63
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	19	0.63
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	16	0.63
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	16	0.63
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	16	0.63
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	19	0.63
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	19	0.63
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	19	0.63
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	19	0.63
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	19	0.63
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	19	0.63
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	2	0.63
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	2	0.63
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	2	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	18	0.63
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	18	0.63
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	4	0.63
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	4	0.63
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	4	0.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	20	0.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	20	0.63
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	20	0.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	20	0.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	20	0.63
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	20	0.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	20	0.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	20	0.63
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	20	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	9	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	9	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	9	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	9	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	9	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	9	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	11	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	11	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	11	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	11	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	11	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	11	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	19	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	19	0.63
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	19	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	19	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	19	0.63
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	19	0.63
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	7	0.63
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	7	0.63
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	7	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	16	0.63
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	16	0.63
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	16	0.63
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	19	0.63
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	19	0.63
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	19	0.63
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	10	0.63
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	10	0.63
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	10	0.63
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	10	0.63
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	10	0.63
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	10	0.63
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	10	0.63
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	10	0.63
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	11	0.63
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	11	0.63
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	11	0.63
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	11	0.63
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	11	0.63
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	11	0.63
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	11	0.63
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	11	0.63
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	11	0.63
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	11	0.63
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	11	0.63
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	11	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	14	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	14	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	14	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	16	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	16	0.63
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	12	0.63
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	12	0.63
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	12	0.63
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	11	0.63
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	11	0.63
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	20	0.63
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	20	0.63
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	9	0.63
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	9	0.63
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	9	0.63
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	9	0.63
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	5	0.63
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	10	0.63
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	7	0.63
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	7	0.63
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	15	0.63
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB2	17	0.63
(1,1711)	1:63:A:GLN:H	1:63:A:GLN:HB3	17	0.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	14	0.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	14	0.63
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	14	0.63
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	19	0.63
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	19	0.63
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	2	0.63
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	4	0.63
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	17	0.63
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	2	0.63
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	2	0.63
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	2	0.63
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	5	0.63
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	5	0.63
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	8	0.63
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	8	0.63
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	10	0.63
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	1	0.63
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	4	0.63
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	6	0.63
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	8	0.63
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	10	0.63
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	9	0.63
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	9	0.63
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	9	0.63
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	15	0.63
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	19	0.63
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	3	0.63
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	3	0.63
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	19	0.63
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	19	0.63
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	9	0.63
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	9	0.63
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	17	0.63
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	17	0.63
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	17	0.63
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	9	0.63
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	9	0.63
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	11	0.63
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	16	0.63
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	12	0.63
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	14	0.63
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	14	0.63
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	16	0.63
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	16	0.63
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	16	0.63
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	16	0.63
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	16	0.63
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	16	0.63
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	16	0.63
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	16	0.63
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	4	0.63
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	4	0.63
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	4	0.63
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	4	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	13	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	13	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	13	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	13	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	17	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	17	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	17	0.63
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	17	0.63
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	7	0.63
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	17	0.63
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	2	0.63
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	2	0.63
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	2	0.63
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	7	0.63
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	4	0.63
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	4	0.63
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	4	0.63
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	6	0.63
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	6	0.63
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	6	0.63
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	8	0.63
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	8	0.63
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	8	0.63
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	12	0.63
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	12	0.63
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	12	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	4	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	4	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	4	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	16	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	16	0.63
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	16	0.63
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	2	0.63
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	14	0.63
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	17	0.63
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	20	0.63
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	6	0.63
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	6	0.63
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	11	0.63
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	11	0.63
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	14	0.63
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	14	0.63
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	2	0.63
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	8	0.63
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	1	0.63
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	13	0.63
(1,1129)	1:191:A:ALA:H	1:192:A:ALA:H	15	0.63
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	2	0.63
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	4	0.63
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	19	0.63
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	11	0.63
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	13	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	17	0.63
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	9	0.63
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	20	0.63
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	5	0.63
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	20	0.63
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	20	0.63
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	20	0.63
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	20	0.63
(1,1076)	1:155:A:THR:H	1:156:A:LEU:H	8	0.63
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	4	0.63
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	7	0.63
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	10	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	3	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	9	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	14	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	16	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	17	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	18	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	19	0.63
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	20	0.63
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	5	0.63
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	15	0.63
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	18	0.63
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	19	0.63
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	5	0.63
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	6	0.63
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	1	0.63
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	6	0.63
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	16	0.63
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	19	0.63
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	3	0.63
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	17	0.63
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	20	0.63
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	20	0.63
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	20	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	3	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	6	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	8	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	11	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	14	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	15	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	18	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	19	0.63
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	20	0.63
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	2	0.63
(1,929)	1:45:A:PHE:H	1:46:A:PHE:H	17	0.63
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	3	0.63
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	11	0.63
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	16	0.63
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	18	0.63
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	4	0.63
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	6	0.63
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	8	0.63
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	12	0.63
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	4	0.63
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	6	0.63
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	8	0.63
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	12	0.63
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	13	0.63
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	13	0.63
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	13	0.63
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	13	0.63
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	13	0.63
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	13	0.63
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	12	0.63
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	12	0.63
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB1	20	0.63
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB2	20	0.63
(1,818)	1:190:A:TYR:HB2	1:191:A:ALA:HB3	20	0.63
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB1	20	0.63
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB2	20	0.63
(1,818)	1:190:A:TYR:HB3	1:191:A:ALA:HB3	20	0.63
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	13	0.63
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	13	0.63
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	13	0.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	8	0.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	8	0.63
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	8	0.63
(1,766)	1:122:A:LEU:H	1:122:A:LEU:HG	14	0.63
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	12	0.63
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	12	0.63
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	12	0.63
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	18	0.63
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	18	0.63
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	19	0.63
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	19	0.63
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	11	0.63
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	11	0.63
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	11	0.63
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	18	0.63
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	18	0.63
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	18	0.63
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	5	0.63
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	1	0.63
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	1	0.63
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	9	0.63
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	9	0.63
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	1	0.63
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	1	0.63
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	20	0.63
(1,565)	1:102:A:HIS:HD2	1:105:A:VAL:HB	12	0.63
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	3	0.63
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	3	0.63
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	3	0.63
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	1	0.63
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	1	0.63
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	1	0.63
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	1	0.63
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	10	0.63
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	10	0.63
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	10	0.63
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	10	0.63
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	11	0.63
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	2	0.63
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	3	0.63
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	13	0.63
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	14	0.63
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	19	0.63
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	20	0.63
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	20	0.63
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	8	0.63
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	12	0.63
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	12	0.63
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	12	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	12	0.63
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	12	0.63
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	12	0.63
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	17	0.63
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD1	4	0.63
(1,439)	1:120:A:ILE:HG21	1:238:A:TYR:HD2	4	0.63
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD1	4	0.63
(1,439)	1:120:A:ILE:HG22	1:238:A:TYR:HD2	4	0.63
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD1	4	0.63
(1,439)	1:120:A:ILE:HG23	1:238:A:TYR:HD2	4	0.63
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	16	0.63
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	12	0.63
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	14	0.63
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	15	0.63
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	11	0.63
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	11	0.63
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	17	0.63
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	17	0.63
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	14	0.63
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	14	0.63
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	8	0.63
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	9	0.63
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	19	0.63
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	19	0.63
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	3	0.63
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	3	0.63
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	3	0.63
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	3	0.63
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	3	0.63
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	3	0.63
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	3	0.63
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	3	0.63
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	3	0.63
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	6	0.63
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	6	0.63
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	6	0.63
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	9	0.63
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	9	0.63
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	4	0.63
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	4	0.63
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	4	0.63
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	4	0.63
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	4	0.63
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	4	0.63
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	4	0.63
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	4	0.63
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	5	0.63
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	5	0.63
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	5	0.63
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	5	0.63
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	5	0.63
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	5	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	6	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	6	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	6	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	13	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	13	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	13	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	17	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	17	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	17	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	18	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	18	0.63
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	18	0.63
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	20	0.63
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	20	0.63
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	20	0.63
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	12	0.63
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	12	0.63
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	12	0.63
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	12	0.63
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	12	0.63
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	12	0.63
(1,159)	1:69:A:VAL:H	1:69:A:VAL:HB	14	0.63
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	12	0.63
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	12	0.63
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	12	0.63
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	12	0.63
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	12	0.63
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	12	0.63
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	11	0.63
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	3	0.63
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	3	0.63
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	3	0.63
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	18	0.63
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	18	0.63
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.62
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.62
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.62
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	18	0.62
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	18	0.62
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	18	0.62
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	18	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	4	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	13	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	13	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	13	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	13	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	13	0.62
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	13	0.62
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	2	0.62
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	2	0.62
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	2	0.62
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	7	0.62
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	7	0.62
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	7	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	1	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	1	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	1	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	16	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	16	0.62
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	16	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	4	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	4	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	4	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	6	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	6	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	6	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG21	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG22	15	0.62
(1,2173)	1:105:A:VAL:H	1:105:A:VAL:HG23	15	0.62
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	3	0.62
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	3	0.62
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	3	0.62
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	3	0.62
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	3	0.62
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	3	0.62
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	18	0.62
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	18	0.62
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	18	0.62
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	11	0.62
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	11	0.62
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	11	0.62
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	20	0.62
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	20	0.62
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	20	0.62
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	5	0.62
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	5	0.62
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	5	0.62
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	5	0.62
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	5	0.62
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	5	0.62
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	13	0.62
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	13	0.62
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	13	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	1	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	1	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	1	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	2	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	2	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	2	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	9	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	9	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	9	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	11	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	11	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	11	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	14	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	14	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	14	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	20	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	20	0.62
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	20	0.62
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	12	0.62
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	12	0.62
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	12	0.62
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	4	0.62
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	4	0.62
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	4	0.62
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	4	0.62
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	4	0.62
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	4	0.62
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	4	0.62
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	4	0.62
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	4	0.62
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	12	0.62
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	12	0.62
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	12	0.62
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	6	0.62
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	6	0.62
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	6	0.62
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	19	0.62
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	19	0.62
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	19	0.62
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	19	0.62
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	19	0.62
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	19	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	6	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	12	0.62
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	12	0.62
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	7	0.62
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	7	0.62
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	7	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	3	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	3	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	3	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	3	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	3	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	3	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	8	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	8	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	8	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	8	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	8	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	8	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG21	17	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG22	17	0.62
(1,2000)	1:126:A:LYS:HB2	1:128:A:VAL:HG23	17	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	17	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	17	0.62
(1,2000)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	17	0.62
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	8	0.62
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	8	0.62
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	8	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	5	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	5	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	16	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	16	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	16	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	16	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	16	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	16	0.62
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	16	0.62
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	20	0.62
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	20	0.62
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	20	0.62
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	20	0.62
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	20	0.62
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	20	0.62
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	20	0.62
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	20	0.62
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	20	0.62
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	20	0.62
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	20	0.62
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	20	0.62
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	5	0.62
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	5	0.62
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	5	0.62
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	15	0.62
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	15	0.62
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	15	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	12	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	12	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	12	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	12	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	12	0.62
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	12	0.62
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	12	0.62
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	12	0.62
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	12	0.62
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	17	0.62
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	17	0.62
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	17	0.62
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	3	0.62
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	3	0.62
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	3	0.62
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	3	0.62
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	3	0.62
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	3	0.62
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	3	0.62
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	3	0.62
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	12	0.62
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	12	0.62
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	12	0.62
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	12	0.62
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	12	0.62
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	12	0.62
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	5	0.62
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	5	0.62
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	5	0.62
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	5	0.62
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	5	0.62
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	5	0.62
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	5	0.62
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	5	0.62
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	3	0.62
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	3	0.62
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	3	0.62
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	3	0.62
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	3	0.62
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	3	0.62
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	17	0.62
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	17	0.62
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	17	0.62
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	17	0.62
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	17	0.62
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	17	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	1	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	11	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	11	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	16	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	16	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	18	0.62
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	18	0.62
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	17	0.62
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	14	0.62
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	14	0.62
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	5	0.62
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	17	0.62
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	10	0.62
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	18	0.62
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	18	0.62
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	1	0.62
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	10	0.62
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	7	0.62
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	7	0.62
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	7	0.62
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	1	0.62
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	1	0.62
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	10	0.62
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	10	0.62
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	10	0.62
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	10	0.62
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	17	0.62
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	2	0.62
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	13	0.62
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	19	0.62
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	7	0.62
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	7	0.62
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	17	0.62
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	17	0.62
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	14	0.62
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	14	0.62
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	14	0.62
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	3	0.62
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	19	0.62
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	13	0.62
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	11	0.62
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	15	0.62
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	18	0.62
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	1	0.62
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	1	0.62
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	1	0.62
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	1	0.62
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	9	0.62
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	9	0.62
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	8	0.62
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	19	0.62
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	3	0.62
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	3	0.62
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	3	0.62
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	5	0.62
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	6	0.62
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	6	0.62
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	8	0.62
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	8	0.62
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	2	0.62
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	2	0.62
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	2	0.62
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	15	0.62
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	15	0.62
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	15	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	1	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	1	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	1	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	7	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	7	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	7	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	15	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	15	0.62
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	15	0.62
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	2	0.62
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	2	0.62
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	2	0.62
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	2	0.62
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	10	0.62
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	5	0.62
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	15	0.62
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	17	0.62
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	15	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	1	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	2	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	3	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	4	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	5	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	7	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	8	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	9	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	10	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	12	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	15	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	16	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	18	0.62
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	19	0.62
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	8	0.62
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	8	0.62
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	18	0.62
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	18	0.62
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	17	0.62
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	17	0.62
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	3	0.62
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	7	0.62
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	11	0.62
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	8	0.62
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	16	0.62
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	9	0.62
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	11	0.62
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	13	0.62
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	17	0.62
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	8	0.62
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	14	0.62
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	2	0.62
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	3	0.62
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	8	0.62
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	7	0.62
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	11	0.62
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	12	0.62
(1,999)	1:192:A:ALA:H	1:193:A:THR:H	13	0.62
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	15	0.62
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	15	0.62
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:191:A:ALA:H	1:192:A:ALA:H	15	0.62
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	2	0.62
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	8	0.62
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	9	0.62
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	13	0.62
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG12	20	0.62
(1,955)	1:59:A:ILE:H	1:59:A:ILE:HG13	20	0.62
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	5	0.62
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	1	0.62
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	9	0.62
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	10	0.62
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	12	0.62
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	13	0.62
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	5	0.62
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	15	0.62
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	10	0.62
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	13	0.62
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	18	0.62
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	10	0.62
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	13	0.62
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	18	0.62
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	2	0.62
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	2	0.62
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	2	0.62
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	11	0.62
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	11	0.62
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	11	0.62
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	11	0.62
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	11	0.62
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	11	0.62
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	8	0.62
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	8	0.62
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	8	0.62
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	8	0.62
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	8	0.62
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	8	0.62
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	17	0.62
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	17	0.62
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	2	0.62
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	2	0.62
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	2	0.62
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	5	0.62
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	5	0.62
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	1	0.62
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	1	0.62
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	1	0.62
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	1	0.62
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	1	0.62
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	1	0.62
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	1	0.62
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	1	0.62
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	1	0.62
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	7	0.62
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	7	0.62
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	7	0.62
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	7	0.62
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	7	0.62
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	7	0.62
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	7	0.62
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	7	0.62
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	16	0.62
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	16	0.62
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	16	0.62
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	10	0.62
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	10	0.62
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	10	0.62
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	10	0.62
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	10	0.62
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	10	0.62
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	10	0.62
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	10	0.62
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	10	0.62
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	11	0.62
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	11	0.62
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	20	0.62
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	20	0.62
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	20	0.62
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB1	15	0.62
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB2	15	0.62
(1,594)	1:91:A:TYR:H	1:132:A:ALA:HB3	15	0.62
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	16	0.62
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	16	0.62
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	18	0.62
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	8	0.62
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	5	0.62
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	5	0.62
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	5	0.62
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	6	0.62
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	6	0.62
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	13	0.62
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	13	0.62
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	13	0.62
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	13	0.62
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	13	0.62
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	13	0.62
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	9	0.62
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	9	0.62
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	9	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	1	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	6	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	8	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	11	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	16	0.62
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	17	0.62
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	17	0.62
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	17	0.62
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	12	0.62
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	9	0.62
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	9	0.62
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	15	0.62
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	15	0.62
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	15	0.62
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	15	0.62
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	15	0.62
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	15	0.62
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	20	0.62
(1,429)	1:116:A:TRP:H	1:116:A:TRP:HB3	19	0.62
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	19	0.62
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	19	0.62
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	19	0.62
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	19	0.62
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	19	0.62
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	19	0.62
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	19	0.62
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	19	0.62
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	14	0.62
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	14	0.62
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	14	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	4	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	4	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	4	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	4	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	4	0.62
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	4	0.62
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	4	0.62
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	4	0.62
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	4	0.62
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	12	0.62
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	6	0.62
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	6	0.62
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	6	0.62
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	6	0.62
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	6	0.62
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	6	0.62
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	20	0.62
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	20	0.62
(1,366)	1:41:A:GLU:H	1:41:A:GLU:HG2	18	0.62
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	7	0.62
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	7	0.62
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	7	0.62
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	6	0.62
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	6	0.62
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	6	0.62
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	6	0.62
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	6	0.62
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	6	0.62
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	1	0.62
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	1	0.62
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	1	0.62
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	5	0.62
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	5	0.62
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	7	0.62
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	7	0.62
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	17	0.62
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	9	0.62
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	1	0.62
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	3	0.62
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	3	0.62
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	3	0.62
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	3	0.62
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	3	0.62
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	3	0.62
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	17	0.62
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	17	0.62
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	17	0.62
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	17	0.62
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	17	0.62
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	17	0.62
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	7	0.62
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	7	0.62
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	7	0.62
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	6	0.62
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	6	0.62
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	10	0.62
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	10	0.62
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	10	0.62
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	10	0.62
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	10	0.62
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	10	0.62
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	2	0.62
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	2	0.62
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	2	0.62
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	2	0.62
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	2	0.62
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	2	0.62
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	2	0.62
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	2	0.62
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	2	0.62
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	9	0.62
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	9	0.62
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	9	0.62
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	9	0.62
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	9	0.62
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	9	0.62
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	9	0.62
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	9	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	9	0.62
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	11	0.62
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	11	0.62
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	11	0.62
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	1	0.62
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	1	0.62
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	1	0.62
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	1	0.62
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	1	0.62
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	1	0.62
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB2	9	0.62
(1,146)	1:29:A:THR:HG21	1:34:A:SER:HB3	9	0.62
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB2	9	0.62
(1,146)	1:29:A:THR:HG22	1:34:A:SER:HB3	9	0.62
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB2	9	0.62
(1,146)	1:29:A:THR:HG23	1:34:A:SER:HB3	9	0.62
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	12	0.62
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	12	0.62
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	12	0.62
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	17	0.62
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	20	0.62
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	20	0.62
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	7	0.62
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	9	0.62
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	13	0.62
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	13	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	2	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	2	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	4	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	4	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	6	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	6	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	12	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	12	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	19	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	19	0.62
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	20	0.62
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	20	0.62
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE1	20	0.62
(1,19)	1:89:A:VAL:HB	1:124:A:PHE:HE2	20	0.62
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	20	0.62
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	18	0.62
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	1	0.61
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	1	0.61
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	1	0.61
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	2	0.61
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	19	0.61
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	9	0.61
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	9	0.61
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	9	0.61
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	7	0.61
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	7	0.61
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	7	0.61
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	12	0.61
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	12	0.61
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	12	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	2	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	5	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	11	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	15	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	19	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	19	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	19	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	19	0.61
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	19	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	6	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	6	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	6	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	7	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	7	0.61
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	7	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	4	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	4	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	4	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	7	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	7	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	7	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	9	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	9	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	9	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	14	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	14	0.61
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	14	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	15	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	15	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	15	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	15	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	15	0.61
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	15	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	3	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	3	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	3	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	3	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	3	0.61
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	3	0.61
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD21	15	0.61
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD22	15	0.61
(1,2108)	1:113:A:LEU:H	1:113:A:LEU:HD23	15	0.61
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	12	0.61
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	12	0.61
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	12	0.61
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	12	0.61
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	12	0.61
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	7	0.61
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	7	0.61
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	7	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	6	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	6	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	6	0.61
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	6	0.61
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	6	0.61
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	6	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	6	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	6	0.61
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	6	0.61
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	15	0.61
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	15	0.61
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	15	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	19	0.61
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	19	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	5	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	5	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	5	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	5	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	5	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	5	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	5	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	5	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	5	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD11	13	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD12	13	0.61
(1,2002)	1:48:A:LEU:HD21	1:61:A:ILE:HD13	13	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD11	13	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD12	13	0.61
(1,2002)	1:48:A:LEU:HD22	1:61:A:ILE:HD13	13	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD11	13	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD12	13	0.61
(1,2002)	1:48:A:LEU:HD23	1:61:A:ILE:HD13	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	1	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	1	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	2	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	2	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	3	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	3	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	10	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	10	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	10	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	10	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	10	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	10	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	12	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	12	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	15	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	15	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	18	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	18	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	18	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	18	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	18	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	18	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	18	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	19	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	19	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	19	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	19	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	19	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	19	0.61
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	19	0.61
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	17	0.61
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	17	0.61
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	17	0.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	16	0.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	16	0.61
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	16	0.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	16	0.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	16	0.61
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	16	0.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	16	0.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	16	0.61
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	16	0.61
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	2	0.61
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	2	0.61
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	2	0.61
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	2	0.61
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	2	0.61
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	2	0.61
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	2	0.61
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	2	0.61
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	2	0.61
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	1	0.61
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	1	0.61
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	1	0.61
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	4	0.61
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	4	0.61
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	4	0.61
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	4	0.61
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	4	0.61
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	4	0.61
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	4	0.61
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	4	0.61
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	1	0.61
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	1	0.61
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	1	0.61
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	17	0.61
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	17	0.61
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	17	0.61
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	17	0.61
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	17	0.61
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	17	0.61
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	17	0.61
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	17	0.61
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	17	0.61
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	20	0.61
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	20	0.61
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	20	0.61
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	7	0.61
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	7	0.61
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	7	0.61
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	13	0.61
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	13	0.61
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	13	0.61
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	15	0.61
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	15	0.61
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	17	0.61
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	17	0.61
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	17	0.61
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	17	0.61
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	3	0.61
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	13	0.61
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	16	0.61
(1,1749)	1:23:A:TYR:HB2	1:24:A:LEU:H	15	0.61
(1,1749)	1:23:A:TYR:HB3	1:24:A:LEU:H	15	0.61
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	12	0.61
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	14	0.61
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	16	0.61
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	19	0.61
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	13	0.61
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	6	0.61
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	3	0.61
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	3	0.61
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	11	0.61
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	11	0.61
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	5	0.61
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	13	0.61
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	13	0.61
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	13	0.61
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	13	0.61
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	20	0.61
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	4	0.61
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	8	0.61
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	5	0.61
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	16	0.61
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	17	0.61
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	17	0.61
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB1	18	0.61
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB2	18	0.61
(1,1586)	1:14:A:GLN:H	1:15:A:ALA:HB3	18	0.61
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	13	0.61
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	13	0.61
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	13	0.61
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	13	0.61
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	8	0.61
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	8	0.61
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	8	0.61
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	8	0.61
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	11	0.61
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	14	0.61
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	18	0.61
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	11	0.61
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	11	0.61
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	11	0.61
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	5	0.61
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	2	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	11	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	11	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	17	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	17	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	18	0.61
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	18	0.61
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	7	0.61
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	14	0.61
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	14	0.61
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	14	0.61
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	15	0.61
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	15	0.61
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	20	0.61
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	1	0.61
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	6	0.61
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	9	0.61
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	18	0.61
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	5	0.61
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	12	0.61
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	14	0.61
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	1	0.61
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	7	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	3	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	3	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	3	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	3	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	12	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	12	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB2	12	0.61
(1,1360)	1:125:A:ARG:H	1:125:A:ARG:HB3	12	0.61
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	10	0.61
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	14	0.61
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	14	0.61
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	14	0.61
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	14	0.61
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	18	0.61
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	18	0.61
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	18	0.61
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	18	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	4	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	4	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	4	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	16	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	16	0.61
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	16	0.61
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	9	0.61
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	11	0.61
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	4	0.61
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	17	0.61
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	17	0.61
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	18	0.61
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	18	0.61
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	20	0.61
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	20	0.61
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	8	0.61
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	18	0.61
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	2	0.61
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	2	0.61
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	2	0.61
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	14	0.61
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	19	0.61
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	13	0.61
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	14	0.61
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	14	0.61
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	14	0.61
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	20	0.61
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	3	0.61
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	3	0.61
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	6	0.61
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	9	0.61
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	9	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	4	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	4	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	15	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	15	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	20	0.61
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	20	0.61
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	12	0.61
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	17	0.61
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	15	0.61
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	20	0.61
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	8	0.61
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	8	0.61
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	8	0.61
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	8	0.61
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	5	0.61
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	8	0.61
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	15	0.61
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	18	0.61
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	9	0.61
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	4	0.61
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	17	0.61
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	17	0.61
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	17	0.61
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	12	0.61
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	14	0.61
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	14	0.61
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	14	0.61
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	2	0.61
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	12	0.61
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	2	0.61
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	1	0.61
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	5	0.61
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	7	0.61
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	9	0.61
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	7	0.61
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	7	0.61
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	15	0.61
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	7	0.61
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	15	0.61
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	19	0.61
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	19	0.61
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	19	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	9	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	9	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	11	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	11	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	12	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	12	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	18	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	18	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	19	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	19	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	20	0.61
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	20	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	3	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	3	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	3	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	3	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	12	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	12	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	12	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	13	0.61
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	13	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	13	0.61
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	13	0.61
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	4	0.61
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	4	0.61
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	4	0.61
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	17	0.61
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	17	0.61
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	1	0.61
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	1	0.61
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	1	0.61
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	1	0.61
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	1	0.61
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	1	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	7	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	7	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	8	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	8	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	9	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	9	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	11	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	11	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	13	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	13	0.61
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	16	0.61
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	16	0.61
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	7	0.61
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	13	0.61
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	13	0.61
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	2	0.61
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	2	0.61
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	17	0.61
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	17	0.61
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	17	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	1	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	1	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	1	0.61
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	1	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	1	0.61
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	1	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	1	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	1	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	1	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	2	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	2	0.61
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	2	0.61
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	2	0.61
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	2	0.61
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	2	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	2	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	2	0.61
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	2	0.61
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	12	0.61
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	12	0.61
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	12	0.61
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	2	0.61
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	2	0.61
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	2	0.61
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	19	0.61
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	19	0.61
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	19	0.61
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	15	0.61
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	15	0.61
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	16	0.61
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	16	0.61
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	9	0.61
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	4	0.61
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	7	0.61
(1,521)	1:109:A:VAL:HA	1:112:A:ALA:H	9	0.61
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	19	0.61
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	19	0.61
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	8	0.61
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	8	0.61
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	8	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	3	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	3	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	3	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	4	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	4	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	8	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	8	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	8	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	9	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	9	0.61
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	9	0.61
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	17	0.61
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	17	0.61
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	17	0.61
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	15	0.61
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	20	0.61
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB2	15	0.61
(1,383)	1:25:A:TYR:H	1:25:A:TYR:HB3	15	0.61
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	12	0.61
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	12	0.61
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	12	0.61
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	12	0.61
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	12	0.61
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	12	0.61
(1,291)	1:63:A:GLN:HG2	1:64:A:LYS:H	7	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	9	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	9	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	10	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	10	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	13	0.61
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	13	0.61
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	2	0.61
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	2	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	8	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	11	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	12	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	13	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	14	0.61
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	15	0.61
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	5	0.61
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	5	0.61
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	5	0.61
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	17	0.61
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	17	0.61
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	17	0.61
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	17	0.61
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	12	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	12	0.61
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	12	0.61
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	12	0.61
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	12	0.61
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	12	0.61
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	7	0.61
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	5	0.61
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	14	0.61
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	18	0.61
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	4	0.61
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	4	0.61
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	18	0.61
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	8	0.61
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	6	0.61
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	17	0.61
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	17	0.61
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	5	0.61
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	5	0.61
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	10	0.61
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	10	0.61
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	14	0.61
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	14	0.61
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	8	0.61
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	8	0.61
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	8	0.61
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	10	0.61
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	7	0.6
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	7	0.6
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	7	0.6
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	15	0.6
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	15	0.6
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	15	0.6
(1,2234)	1:198:A:HIS:H	1:200:A:LEU:HG	20	0.6
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	6	0.6
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	6	0.6
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	6	0.6
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	11	0.6
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	11	0.6
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	11	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	1	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	1	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	1	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	1	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	1	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	10	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD11	16	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD12	16	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD13	16	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD21	16	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD22	16	0.6
(1,2216)	1:111:A:LYS:H	1:189:A:LEU:HD23	16	0.6
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	13	0.6
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	13	0.6
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	13	0.6
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD11	11	0.6
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD12	11	0.6
(1,2193)	1:189:A:LEU:H	1:189:A:LEU:HD13	11	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	19	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	19	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	19	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	19	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	19	0.6
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	19	0.6
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	20	0.6
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	20	0.6
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	20	0.6
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	20	0.6
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	20	0.6
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	20	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	8	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	8	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	8	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD21	15	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD22	15	0.6
(1,2130)	1:156:A:LEU:H	1:156:A:LEU:HD23	15	0.6
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	5	0.6
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	5	0.6
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	7	0.6
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	7	0.6
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	7	0.6
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	7	0.6
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	7	0.6
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	7	0.6
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	7	0.6
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	7	0.6
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	7	0.6
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	15	0.6
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	15	0.6
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	15	0.6
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	2	0.6
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	2	0.6
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	2	0.6
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	15	0.6
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	15	0.6
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	15	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	8	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	10	0.6
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	10	0.6
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	18	0.6
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	18	0.6
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	18	0.6
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	18	0.6
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	18	0.6
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	11	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	11	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	13	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	13	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	14	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	14	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	20	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	20	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	20	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	20	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	20	0.6
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	20	0.6
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	3	0.6
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	3	0.6
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	3	0.6
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	6	0.6
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	6	0.6
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	6	0.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD11	13	0.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD12	13	0.6
(1,1876)	1:82:A:PRO:HG2	1:237:A:LEU:HD13	13	0.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD11	13	0.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD12	13	0.6
(1,1876)	1:82:A:PRO:HG3	1:237:A:LEU:HD13	13	0.6
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	17	0.6
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	17	0.6
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	17	0.6
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	17	0.6
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	17	0.6
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	17	0.6
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	16	0.6
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	16	0.6
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	16	0.6
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	16	0.6
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	16	0.6
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	16	0.6
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG12	14	0.6
(1,1769)	1:103:A:ILE:H	1:103:A:ILE:HG13	14	0.6
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	5	0.6
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	6	0.6
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	5	0.6
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	5	0.6
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	8	0.6
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	9	0.6
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	18	0.6
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	3	0.6
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	3	0.6
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	5	0.6
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	3	0.6
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	3	0.6
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	1	0.6
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	6	0.6
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	20	0.6
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	12	0.6
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	12	0.6
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	12	0.6
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	2	0.6
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	9	0.6
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	9	0.6
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	9	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	2	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	2	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	2	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	2	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	15	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	15	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	15	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	15	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	19	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	19	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	19	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	19	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	20	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	20	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	20	0.6
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	20	0.6
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	19	0.6
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	6	0.6
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	6	0.6
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	6	0.6
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	1	0.6
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	9	0.6
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	3	0.6
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	3	0.6
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	11	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	9	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	9	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	15	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	16	0.6
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	16	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	1	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	1	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	2	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	2	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	4	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	4	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	6	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	6	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	10	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	10	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	12	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	12	0.6
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	14	0.6
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	14	0.6
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	18	0.6
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	18	0.6
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	18	0.6
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	8	0.6
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	8	0.6
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	4	0.6
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	10	0.6
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	10	0.6
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	20	0.6
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	20	0.6
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	16	0.6
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	19	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	1	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	1	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	1	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	1	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	3	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	3	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	3	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	3	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	4	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	4	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	4	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	4	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	6	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	6	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	6	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	8	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	8	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	8	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	8	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	9	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	9	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	9	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	9	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	16	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	16	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	16	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	16	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	17	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	17	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	17	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	17	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	19	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	19	0.6
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	19	0.6
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	19	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	7	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	7	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	7	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	11	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	11	0.6
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	11	0.6
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	7	0.6
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	7	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	3	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	3	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	3	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	3	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	4	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	4	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	4	0.6
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	4	0.6
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	4	0.6
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	6	0.6
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	10	0.6
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	20	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	3	0.6
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	3	0.6
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	3	0.6
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	13	0.6
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	13	0.6
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	13	0.6
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	3	0.6
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	3	0.6
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	18	0.6
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	16	0.6
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	16	0.6
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	20	0.6
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	4	0.6
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	4	0.6
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	16	0.6
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	16	0.6
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	2	0.6
(1,1155)	1:212:A:MET:H	1:213:A:TYR:H	6	0.6
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	5	0.6
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	5	0.6
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	14	0.6
(1,1142)	1:199:A:SER:H	1:200:A:LEU:H	19	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	2	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	2	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	2	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	2	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	15	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	15	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	15	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	15	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	19	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	19	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	19	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	19	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	20	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	20	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	20	0.6
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	20	0.6
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	4	0.6
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	14	0.6
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	18	0.6
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	2	0.6
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	4	0.6
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	5	0.6
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	6	0.6
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	10	0.6
(1,1103)	1:175:A:ASP:H	1:176:A:GLU:H	15	0.6
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	19	0.6
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	18	0.6
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	15	0.6
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	18	0.6
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	12	0.6
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	12	0.6
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	12	0.6
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	1	0.6
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	1	0.6
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	1	0.6
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	13	0.6
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	20	0.6
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	1	0.6
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	1	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	4	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	7	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	8	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	9	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	13	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	14	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	15	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	18	0.6
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	19	0.6
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	11	0.6
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	4	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	3	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	6	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	8	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	11	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	14	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	15	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	16	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	18	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	19	0.6
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	20	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	10	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	11	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	12	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	14	0.6
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	16	0.6
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	19	0.6
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	2	0.6
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	13	0.6
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	4	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	2	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	2	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	6	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	6	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	8	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	8	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	15	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	15	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	16	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	16	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	17	0.6
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	17	0.6
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	7	0.6
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	16	0.6
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	16	0.6
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	6	0.6
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	6	0.6
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	6	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	6	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	6	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	10	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	10	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	20	0.6
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	20	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	1	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	1	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	15	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	15	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	18	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	18	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	19	0.6
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	19	0.6
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	18	0.6
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	18	0.6
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	18	0.6
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	3	0.6
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	3	0.6
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	18	0.6
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	18	0.6
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	20	0.6
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	5	0.6
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	5	0.6
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	5	0.6
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	5	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	1	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	1	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	1	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	15	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	15	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	15	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	16	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	16	0.6
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	16	0.6
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	3	0.6
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	3	0.6
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	8	0.6
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	8	0.6
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	17	0.6
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	17	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	4	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	4	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	4	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	4	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	4	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	4	0.6
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	4	0.6
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	4	0.6
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	4	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	11	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	11	0.6
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	11	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	11	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	11	0.6
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	11	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	11	0.6
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	11	0.6
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	11	0.6
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	11	0.6
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	11	0.6
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	11	0.6
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	11	0.6
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	11	0.6
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	11	0.6
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	10	0.6
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	10	0.6
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	11	0.6
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	11	0.6
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	11	0.6
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	1	0.6
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	17	0.6
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	17	0.6
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	17	0.6
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	17	0.6
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	17	0.6
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	17	0.6
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	1	0.6
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	1	0.6
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	1	0.6
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	9	0.6
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	9	0.6
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	6	0.6
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	6	0.6
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	6	0.6
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	6	0.6
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	6	0.6
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	6	0.6
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	9	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	9	0.6
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	9	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	9	0.6
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	18	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	18	0.6
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	18	0.6
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	18	0.6
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	5	0.6
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	5	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	3	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	3	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	12	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	12	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	13	0.6
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	13	0.6
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB2	11	0.6
(1,495)	1:23:A:TYR:H	1:23:A:TYR:HB3	11	0.6
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	16	0.6
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	16	0.6
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	16	0.6
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	16	0.6
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	16	0.6
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	16	0.6
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	18	0.6
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	18	0.6
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	18	0.6
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	18	0.6
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	18	0.6
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	18	0.6
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	9	0.6
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	9	0.6
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	9	0.6
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	2	0.6
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	18	0.6
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	18	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	6	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	6	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	6	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	17	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	17	0.6
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	17	0.6
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	14	0.6
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	16	0.6
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	16	0.6
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	17	0.6
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	16	0.6
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	16	0.6
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	16	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	1	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	1	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	1	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	1	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	1	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	11	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	11	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	11	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	11	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	11	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	11	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	16	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	16	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	16	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	16	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	16	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	16	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG12	18	0.6
(1,312)	1:103:A:ILE:HG21	1:103:A:ILE:HG13	18	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG12	18	0.6
(1,312)	1:103:A:ILE:HG22	1:103:A:ILE:HG13	18	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG12	18	0.6
(1,312)	1:103:A:ILE:HG23	1:103:A:ILE:HG13	18	0.6
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	5	0.6
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	19	0.6
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	3	0.6
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	7	0.6
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	16	0.6
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	20	0.6
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	13	0.6
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	13	0.6
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	13	0.6
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	20	0.6
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	20	0.6
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	20	0.6
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	20	0.6
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	20	0.6
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	20	0.6
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	5	0.6
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	5	0.6
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	5	0.6
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	5	0.6
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	5	0.6
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	5	0.6
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	5	0.6
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	5	0.6
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	8	0.6
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	8	0.6
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	8	0.6
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	19	0.6
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	19	0.6
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	19	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	19	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	19	0.6
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	19	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	19	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	19	0.6
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	19	0.6
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	1	0.6
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	1	0.6
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	1	0.6
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	1	0.6
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	1	0.6
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	1	0.6
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	6	0.6
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	6	0.6
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	9	0.6
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	9	0.6
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	9	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	13	0.6
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	13	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	13	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	13	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	16	0.6
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	16	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	16	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	16	0.6
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	16	0.6
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	16	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	16	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	16	0.6
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	16	0.6
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	3	0.6
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	3	0.6
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	3	0.6
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	3	0.6
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	3	0.6
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	3	0.6
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	3	0.6
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	3	0.6
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	3	0.6
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	11	0.6
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	11	0.6
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	11	0.6
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	19	0.6
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	19	0.6
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	19	0.6
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	2	0.6
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	8	0.6
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	15	0.6
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	18	0.6
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	18	0.6
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	18	0.6
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	20	0.6
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	20	0.6
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	3	0.6
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	15	0.6
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	18	0.6
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	6	0.6
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	18	0.6
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	18	0.6
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	20	0.6
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	20	0.6
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	1	0.6
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	1	0.6
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	20	0.6
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	15	0.6
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	15	0.59
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	15	0.59
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	15	0.59
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD21	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD22	8	0.59
(1,2175)	1:108:A:LEU:H	1:108:A:LEU:HD23	8	0.59
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	7	0.59
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	7	0.59
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	7	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	3	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	3	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	3	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	3	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	3	0.59
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	3	0.59
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	17	0.59
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	17	0.59
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	17	0.59
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	10	0.59
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	10	0.59
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	10	0.59
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD21	8	0.59
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD22	8	0.59
(1,2093)	1:108:A:LEU:HA	1:108:A:LEU:HD23	8	0.59
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	11	0.59
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	11	0.59
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	11	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	1	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	1	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	1	0.59
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	1	0.59
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	1	0.59
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	1	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	1	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	1	0.59
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	1	0.59
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	14	0.59
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	14	0.59
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	14	0.59
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	18	0.59
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	18	0.59
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	18	0.59
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	18	0.59
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	18	0.59
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	18	0.59
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG21	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG22	13	0.59
(1,2019)	1:69:A:VAL:H	1:69:A:VAL:HG23	13	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	11	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	11	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	11	0.59
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	11	0.59
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	11	0.59
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	11	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	11	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	11	0.59
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	11	0.59
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	6	0.59
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	6	0.59
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	6	0.59
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	6	0.59
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	6	0.59
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	6	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	13	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	15	0.59
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	15	0.59
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	11	0.59
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	11	0.59
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	11	0.59
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	11	0.59
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	11	0.59
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	11	0.59
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	11	0.59
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	11	0.59
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	20	0.59
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	20	0.59
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	20	0.59
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	20	0.59
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	20	0.59
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	20	0.59
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	5	0.59
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	5	0.59
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	5	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	4	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	4	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	6	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	6	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	7	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	7	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	7	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	7	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	7	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	7	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	8	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	8	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	17	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	17	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	17	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	17	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	17	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	17	0.59
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	17	0.59
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	8	0.59
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	8	0.59
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	8	0.59
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	8	0.59
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	8	0.59
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	8	0.59
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	2	0.59
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	2	0.59
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	2	0.59
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	9	0.59
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	9	0.59
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	9	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	7	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	7	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	7	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	7	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	7	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	7	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	7	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	7	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	11	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	11	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	11	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	11	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	11	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	11	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	11	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	11	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	11	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	12	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	12	0.59
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	12	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	12	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	12	0.59
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	12	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	12	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	12	0.59
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	12	0.59
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	8	0.59
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	8	0.59
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	8	0.59
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	8	0.59
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	8	0.59
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	8	0.59
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	20	0.59
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	20	0.59
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	20	0.59
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	20	0.59
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	20	0.59
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	20	0.59
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	20	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	20	0.59
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	20	0.59
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	20	0.59
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	20	0.59
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	20	0.59
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	20	0.59
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	10	0.59
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	10	0.59
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	10	0.59
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	8	0.59
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	8	0.59
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	8	0.59
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	8	0.59
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	18	0.59
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	18	0.59
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	18	0.59
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	18	0.59
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	18	0.59
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	1	0.59
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	10	0.59
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	10	0.59
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	10	0.59
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	10	0.59
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	7	0.59
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	4	0.59
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	4	0.59
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	4	0.59
(1,1735)	1:231:A:ILE:HG21	1:235:A:GLN:H	17	0.59
(1,1735)	1:231:A:ILE:HG22	1:235:A:GLN:H	17	0.59
(1,1735)	1:231:A:ILE:HG23	1:235:A:GLN:H	17	0.59
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	19	0.59
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	19	0.59
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	1	0.59
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	3	0.59
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	20	0.59
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	2	0.59
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	10	0.59
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	1	0.59
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	1	0.59
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	1	0.59
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	12	0.59
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	16	0.59
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB2	11	0.59
(1,1635)	1:23:A:TYR:H	1:23:A:TYR:HB3	11	0.59
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	10	0.59
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	10	0.59
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	10	0.59
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	16	0.59
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	16	0.59
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	16	0.59
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	13	0.59
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	13	0.59
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	7	0.59
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	8	0.59
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	4	0.59
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	4	0.59
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	13	0.59
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	13	0.59
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	13	0.59
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	6	0.59
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	6	0.59
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB2	6	0.59
(1,1549)	1:199:A:SER:H	1:199:A:SER:HB3	6	0.59
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	13	0.59
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	12	0.59
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	12	0.59
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	12	0.59
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	11	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	8	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	8	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	13	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	13	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	16	0.59
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	16	0.59
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	4	0.59
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	4	0.59
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	4	0.59
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	5	0.59
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	5	0.59
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	18	0.59
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	18	0.59
(1,1485)	1:174:A:GLU:HB2	1:175:A:ASP:H	20	0.59
(1,1485)	1:174:A:GLU:HB3	1:175:A:ASP:H	20	0.59
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	5	0.59
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	5	0.59
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	5	0.59
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	17	0.59
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	17	0.59
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	17	0.59
(1,1427)	1:149:A:PHE:H	1:149:A:PHE:HB2	1	0.59
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	3	0.59
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	6	0.59
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	8	0.59
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	8	0.59
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	9	0.59
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	2	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	2	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	2	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	2	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	5	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	5	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	5	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	5	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	11	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	11	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	11	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	11	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	13	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	13	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	13	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	13	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	20	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	20	0.59
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	20	0.59
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	20	0.59
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	8	0.59
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	8	0.59
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	8	0.59
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	16	0.59
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	5	0.59
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	5	0.59
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	5	0.59
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	9	0.59
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	9	0.59
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	9	0.59
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	10	0.59
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	10	0.59
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	10	0.59
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	10	0.59
(1,1260)	1:234:A:ILE:H	1:234:A:ILE:HB	18	0.59
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	10	0.59
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	10	0.59
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	10	0.59
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	9	0.59
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	5	0.59
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	5	0.59
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	17	0.59
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	7	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	8	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	8	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	10	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	10	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	12	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	12	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	13	0.59
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	13	0.59
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	8	0.59
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	6	0.59
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	6	0.59
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB2	6	0.59
(1,1141)	1:199:A:SER:H	1:199:A:SER:HB3	6	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	3	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	9	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	14	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	16	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	17	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	18	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	19	0.59
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	20	0.59
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	8	0.59
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	12	0.59
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	11	0.59
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	15	0.59
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	1	0.59
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	3	0.59
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	16	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	1	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	2	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	3	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	5	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	6	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	10	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	11	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	16	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	17	0.59
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	20	0.59
(1,966)	1:10:A:LEU:H	1:11:A:GLN:H	20	0.59
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	9	0.59
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	10	0.59
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	12	0.59
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	13	0.59
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	13	0.59
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	9	0.59
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	14	0.59
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	10	0.59
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	1	0.59
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	1	0.59
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	4	0.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	8	0.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	8	0.59
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	8	0.59
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	11	0.59
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	11	0.59
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	14	0.59
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	14	0.59
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	13	0.59
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	13	0.59
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	13	0.59
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	13	0.59
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	13	0.59
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	13	0.59
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	18	0.59
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	18	0.59
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	18	0.59
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	18	0.59
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	18	0.59
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	18	0.59
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	11	0.59
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	16	0.59
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	2	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	2	0.59
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	4	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	4	0.59
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	6	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	6	0.59
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	12	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	12	0.59
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	19	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	20	0.59
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	20	0.59
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	6	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	4	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	4	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	4	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	6	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	6	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	6	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	7	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	7	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	7	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	9	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	9	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	9	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	10	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	10	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	10	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	11	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	11	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	11	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	13	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	13	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	13	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	14	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	14	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	14	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	19	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	19	0.59
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	19	0.59
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	17	0.59
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	17	0.59
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	20	0.59
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	20	0.59
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	15	0.59
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	15	0.59
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG2	8	0.59
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG3	8	0.59
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	17	0.59
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	17	0.59
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	17	0.59
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	7	0.59
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	7	0.59
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	7	0.59
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	17	0.59
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	17	0.59
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	17	0.59
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	4	0.59
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	4	0.59
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	4	0.59
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	4	0.59
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	4	0.59
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	4	0.59
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	6	0.59
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	6	0.59
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	1	0.59
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	1	0.59
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	6	0.59
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	6	0.59
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	6	0.59
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	6	0.59
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	15	0.59
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	15	0.59
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	15	0.59
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	15	0.59
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	9	0.59
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	16	0.59
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	16	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	7	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	7	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	7	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	7	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	7	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	7	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	13	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	13	0.59
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	13	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	13	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	13	0.59
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	13	0.59
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	4	0.59
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	4	0.59
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	7	0.59
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	13	0.59
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	13	0.59
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	13	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	17	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	17	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	17	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	17	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	17	0.59
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	17	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	3	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	3	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	3	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	3	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	3	0.59
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	3	0.59
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	3	0.59
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	3	0.59
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	3	0.59
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	10	0.59
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	10	0.59
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	10	0.59
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	10	0.59
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	1	0.59
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	1	0.59
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	9	0.59
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	9	0.59
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	3	0.59
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	3	0.59
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	3	0.59
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	6	0.59
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	6	0.59
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	6	0.59
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	6	0.59
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	6	0.59
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	6	0.59
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	10	0.59
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	10	0.59
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	10	0.59
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	10	0.59
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	10	0.59
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	10	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	2	0.59
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	3	0.59
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	19	0.59
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	19	0.59
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	5	0.59
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	10	0.59
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	4	0.59
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	4	0.59
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	4	0.59
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	18	0.59
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	18	0.59
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	18	0.59
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	18	0.59
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	18	0.59
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	18	0.59
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	18	0.59
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	9	0.59
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	9	0.59
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	9	0.59
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	9	0.59
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	9	0.59
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	9	0.59
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	9	0.59
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	9	0.59
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	9	0.59
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	20	0.59
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	20	0.59
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	20	0.59
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	20	0.59
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	20	0.59
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	20	0.59
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	1	0.59
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	1	0.59
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	1	0.59
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	14	0.59
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	14	0.59
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	14	0.59
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	14	0.59
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	14	0.59
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	14	0.59
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	14	0.59
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	14	0.59
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	7	0.59
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	7	0.59
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	7	0.59
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	9	0.59
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	9	0.59
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	9	0.59
(1,128)	1:196:A:LEU:HA	1:199:A:SER:H	10	0.59
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	10	0.59
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	19	0.59
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	6	0.59
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	6	0.59
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	7	0.59
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	7	0.59
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	4	0.59
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	4	0.59
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD2	4	0.59
(1,80)	1:44:A:LYS:HA	1:44:A:LYS:HD3	4	0.59
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	13	0.58
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	20	0.58
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	20	0.58
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	20	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	5	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	5	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	5	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	8	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	8	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	8	0.58
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	19	0.58
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	19	0.58
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	19	0.58
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	4	0.58
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	4	0.58
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	4	0.58
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	18	0.58
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	18	0.58
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	18	0.58
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	10	0.58
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	10	0.58
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	10	0.58
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	20	0.58
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	20	0.58
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	6	0.58
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	6	0.58
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	6	0.58
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	11	0.58
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	11	0.58
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	11	0.58
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	2	0.58
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	2	0.58
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	2	0.58
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	2	0.58
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	2	0.58
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	2	0.58
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	2	0.58
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	2	0.58
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	2	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	9	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	9	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	9	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	9	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	9	0.58
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	9	0.58
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	16	0.58
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	16	0.58
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	16	0.58
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	14	0.58
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	14	0.58
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	14	0.58
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	14	0.58
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	14	0.58
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	14	0.58
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	14	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	1	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	1	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	1	0.58
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	1	0.58
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	1	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	16	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	16	0.58
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	16	0.58
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	16	0.58
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	16	0.58
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	16	0.58
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	4	0.58
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	4	0.58
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	4	0.58
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	1	0.58
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	1	0.58
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	1	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	16	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	16	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	16	0.58
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	16	0.58
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	16	0.58
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	16	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	16	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	16	0.58
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	16	0.58
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	14	0.58
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	14	0.58
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	14	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	10	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	10	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	10	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	12	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	12	0.58
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	12	0.58
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	9	0.58
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	9	0.58
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	9	0.58
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	9	0.58
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	9	0.58
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	9	0.58
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB2	9	0.58
(1,1966)	1:108:A:LEU:HD11	1:111:A:LYS:HB3	9	0.58
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB2	9	0.58
(1,1966)	1:108:A:LEU:HD12	1:111:A:LYS:HB3	9	0.58
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB2	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:108:A:LEU:HD13	1:111:A:LYS:HB3	9	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	5	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	5	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	5	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	16	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	16	0.58
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	16	0.58
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	8	0.58
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	8	0.58
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	8	0.58
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	8	0.58
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	8	0.58
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	8	0.58
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	8	0.58
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	8	0.58
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	8	0.58
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	7	0.58
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	7	0.58
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	7	0.58
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	12	0.58
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	12	0.58
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	12	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	16	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	16	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	16	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	16	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	16	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	16	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	16	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	16	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	16	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	20	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	20	0.58
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	20	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	20	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	20	0.58
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	20	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	20	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	20	0.58
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	20	0.58
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	15	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	15	0.58
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	15	0.58
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	15	0.58
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	15	0.58
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	15	0.58
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	15	0.58
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	15	0.58
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	15	0.58
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	15	0.58
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	15	0.58
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	15	0.58
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	15	0.58
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	13	0.58
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	13	0.58
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	13	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	13	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	13	0.58
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	13	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	13	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	13	0.58
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	13	0.58
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	17	0.58
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	17	0.58
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	17	0.58
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	2	0.58
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	2	0.58
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	2	0.58
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	2	0.58
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	2	0.58
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	2	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	1	0.58
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	1	0.58
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	1	0.58
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	1	0.58
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	8	0.58
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	12	0.58
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	19	0.58
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	14	0.58
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	14	0.58
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	14	0.58
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	14	0.58
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	11	0.58
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	13	0.58
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	12	0.58
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	7	0.58
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	7	0.58
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	7	0.58
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	14	0.58
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	14	0.58
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	14	0.58
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	5	0.58
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	5	0.58
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	5	0.58
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	14	0.58
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	11	0.58
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	6	0.58
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	11	0.58
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	11	0.58
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	4	0.58
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	4	0.58
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	4	0.58
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	4	0.58
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	2	0.58
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	18	0.58
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	9	0.58
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	9	0.58
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	9	0.58
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	14	0.58
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	14	0.58
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	8	0.58
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	1	0.58
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	16	0.58
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	8	0.58
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	8	0.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	8	0.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	8	0.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG2	8	0.58
(1,1491)	1:177:A:ARG:H	1:177:A:ARG:HG3	8	0.58
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	8	0.58
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	8	0.58
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	11	0.58
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	11	0.58
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	11	0.58
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	4	0.58
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	10	0.58
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	11	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	12	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	12	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	12	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	12	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	12	0.58
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	12	0.58
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	11	0.58
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	18	0.58
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	18	0.58
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	18	0.58
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	18	0.58
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	9	0.58
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	9	0.58
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	9	0.58
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	9	0.58
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	2	0.58
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	14	0.58
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	10	0.58
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	10	0.58
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	10	0.58
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	10	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	6	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	6	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	6	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	6	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	16	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	16	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	16	0.58
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	16	0.58
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	6	0.58
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	14	0.58
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	14	0.58
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	18	0.58
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	20	0.58
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	1	0.58
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	1	0.58
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	5	0.58
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	5	0.58
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	6	0.58
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	6	0.58
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	10	0.58
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	10	0.58
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	14	0.58
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	14	0.58
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	14	0.58
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	16	0.58
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	1	0.58
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	1	0.58
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	1	0.58
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	19	0.58
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	19	0.58
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	2	0.58
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	2	0.58
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	14	0.58
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	14	0.58
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	14	0.58
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	15	0.58
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	15	0.58
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	15	0.58
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	14	0.58
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	17	0.58
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	20	0.58
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	1	0.58
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	1	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	3	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	3	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	16	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	16	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	18	0.58
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	18	0.58
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	15	0.58
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	17	0.58
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	7	0.58
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	11	0.58
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	12	0.58
(1,1130)	1:192:A:ALA:H	1:193:A:THR:H	13	0.58
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	12	0.58
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	17	0.58
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	8	0.58
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	19	0.58
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	6	0.58
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	6	0.58
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	6	0.58
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	6	0.58
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	9	0.58
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	9	0.58
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	9	0.58
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	2	0.58
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	17	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	7	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	7	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	17	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	17	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	19	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	19	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	20	0.58
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	20	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	4	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	6	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	9	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	10	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	11	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	13	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	14	0.58
(1,1003)	1:98:A:ARG:H	1:99:A:ASP:H	15	0.58
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	1	0.58
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	7	0.58
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	17	0.58
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	8	0.58
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	10	0.58
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	14	0.58
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	7	0.58
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	8	0.58
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	20	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	1	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	2	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	3	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	5	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	6	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	8	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	13	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	16	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	18	0.58
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	20	0.58
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	2	0.58
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	6	0.58
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	11	0.58
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	11	0.58
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	7	0.58
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	20	0.58
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	5	0.58
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	5	0.58
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	3	0.58
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	17	0.58
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	12	0.58
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	13	0.58
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	13	0.58
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	20	0.58
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	20	0.58
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	20	0.58
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	19	0.58
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	19	0.58
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	19	0.58
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	19	0.58
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	19	0.58
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	19	0.58
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG21	17	0.58
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG22	17	0.58
(1,798)	1:68:A:GLY:H	1:155:A:THR:HG23	17	0.58
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	9	0.58
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	16	0.58
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	16	0.58
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	16	0.58
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	16	0.58
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	16	0.58
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	16	0.58
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	15	0.58
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	15	0.58
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	15	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	3	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	3	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	3	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	4	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	4	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	4	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	6	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	6	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	6	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	7	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	7	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	7	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	8	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	8	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	8	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	9	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	9	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	13	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	13	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	13	0.58
(1,783)	1:134:A:ILE:HG21	1:134:A:ILE:HG13	17	0.58
(1,783)	1:134:A:ILE:HG22	1:134:A:ILE:HG13	17	0.58
(1,783)	1:134:A:ILE:HG23	1:134:A:ILE:HG13	17	0.58
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	5	0.58
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	5	0.58
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	10	0.58
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	10	0.58
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	14	0.58
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	14	0.58
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	19	0.58
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	13	0.58
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	13	0.58
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	13	0.58
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	13	0.58
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	13	0.58
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	13	0.58
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	13	0.58
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	13	0.58
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	13	0.58
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	13	0.58
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	11	0.58
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	11	0.58
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	11	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	3	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	3	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	3	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	8	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	8	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	8	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	17	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	17	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	17	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG21	20	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG22	20	0.58
(1,717)	1:93:A:ILE:H	1:93:A:ILE:HG23	20	0.58
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	2	0.58
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	2	0.58
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	14	0.58
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	14	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	14	0.58
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	12	0.58
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	12	0.58
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	10	0.58
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	10	0.58
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	17	0.58
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	17	0.58
(1,642)	1:37:A:ALA:HB1	1:38:A:LYS:H	9	0.58
(1,642)	1:37:A:ALA:HB2	1:38:A:LYS:H	9	0.58
(1,642)	1:37:A:ALA:HB3	1:38:A:LYS:H	9	0.58
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	3	0.58
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	3	0.58
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	3	0.58
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	3	0.58
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	3	0.58
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	3	0.58
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	15	0.58
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	15	0.58
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	15	0.58
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	1	0.58
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	1	0.58
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	1	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	1	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	1	0.58
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	1	0.58
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	7	0.58
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	7	0.58
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	5	0.58
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	5	0.58
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	5	0.58
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	5	0.58
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	5	0.58
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	5	0.58
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	5	0.58
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	5	0.58
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	5	0.58
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	5	0.58
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	9	0.58
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	18	0.58
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	18	0.58
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	18	0.58
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	18	0.58
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	18	0.58
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	1	0.58
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	1	0.58
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	1	0.58
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	15	0.58
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	15	0.58
(1,415)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	15	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	1	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	1	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	1	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	1	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	1	0.58
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	1	0.58
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	1	0.58
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	1	0.58
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	1	0.58
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	9	0.58
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	1	0.58
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	1	0.58
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	18	0.58
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	18	0.58
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	18	0.58
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	20	0.58
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	20	0.58
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	20	0.58
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	15	0.58
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	15	0.58
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	15	0.58
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	15	0.58
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	15	0.58
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	15	0.58
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	14	0.58
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	14	0.58
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	4	0.58
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	19	0.58
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	9	0.58
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	9	0.58
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	9	0.58
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	6	0.58
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	6	0.58
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	11	0.58
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	11	0.58
(1,254)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	11	0.58
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	11	0.58
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	11	0.58
(1,254)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	11	0.58
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	6	0.58
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	6	0.58
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	6	0.58
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	6	0.58
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	6	0.58
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	6	0.58
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	6	0.58
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	6	0.58
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	6	0.58
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	19	0.58
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	19	0.58
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	19	0.58
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	19	0.58
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	19	0.58
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	19	0.58
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	14	0.58
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	14	0.58
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	14	0.58
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	14	0.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	17	0.58
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	17	0.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	17	0.58
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	17	0.58
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	3	0.58
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	3	0.58
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	3	0.58
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	7	0.58
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	7	0.58
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	7	0.58
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	7	0.58
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	7	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	7	0.58
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	8	0.58
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	8	0.58
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	13	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	5	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	5	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	8	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	8	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	13	0.58
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	13	0.58
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	1	0.58
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	1	0.58
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	1	0.58
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	1	0.58
(1,50)	1:45:A:PHE:HE1	1:214:A:PRO:HG2	14	0.58
(1,50)	1:45:A:PHE:HE2	1:214:A:PRO:HG2	14	0.58
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	12	0.58
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	7	0.58
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	7	0.58
(1,20)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	15	0.58
(1,20)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	15	0.58
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	16	0.58
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	16	0.58
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	16	0.58
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	9	0.58
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	9	0.57
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	9	0.57
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	9	0.57
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	5	0.57
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	5	0.57
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	5	0.57
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	19	0.57
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	19	0.57
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	19	0.57
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	14	0.57
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	18	0.57
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	18	0.57
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	18	0.57
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	18	0.57
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	18	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	4	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	4	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	4	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	4	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	4	0.57
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	4	0.57
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	4	0.57
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	4	0.57
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	4	0.57
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	4	0.57
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	4	0.57
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	4	0.57
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	17	0.57
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	17	0.57
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	17	0.57
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	17	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	6	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	6	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	6	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	7	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	7	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	7	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	13	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	13	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	13	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	14	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	14	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	14	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	20	0.57
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	20	0.57
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	11	0.57
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	11	0.57
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	11	0.57
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	2	0.57
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	2	0.57
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	2	0.57
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	2	0.57
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	2	0.57
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	2	0.57
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	1	0.57
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	1	0.57
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	1	0.57
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	17	0.57
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	17	0.57
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	17	0.57
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	17	0.57
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	17	0.57
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	17	0.57
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	18	0.57
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	18	0.57
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	18	0.57
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	2	0.57
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	2	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	2	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	2	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	2	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	2	0.57
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	7	0.57
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	7	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	7	0.57
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	7	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	7	0.57
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	7	0.57
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	6	0.57
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	17	0.57
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	20	0.57
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	18	0.57
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	17	0.57
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	17	0.57
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	13	0.57
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	15	0.57
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	15	0.57
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	2	0.57
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	2	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	15	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	15	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	18	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	18	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	20	0.57
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	20	0.57
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	10	0.57
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	6	0.57
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	6	0.57
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	6	0.57
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	6	0.57
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	3	0.57
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	14	0.57
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	19	0.57
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	6	0.57
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	6	0.57
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	6	0.57
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	4	0.57
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	4	0.57
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	4	0.57
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	10	0.57
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	10	0.57
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	13	0.57
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	13	0.57
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	12	0.57
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	12	0.57
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	12	0.57
(1,1554)	1:161:A:ALA:HA	1:201:A:GLY:H	2	0.57
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	1	0.57
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	1	0.57
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	1	0.57
(1,1533)	1:193:A:THR:HA	1:196:A:LEU:H	5	0.57
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	5	0.57
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	6	0.57
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	6	0.57
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	17	0.57
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	20	0.57
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	20	0.57
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	15	0.57
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	16	0.57
(1,1418)	1:140:A:ARG:HB3	1:141:A:GLY:H	19	0.57
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	2	0.57
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	15	0.57
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	15	0.57
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	15	0.57
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	15	0.57
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	1	0.57
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	7	0.57
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	7	0.57
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	7	0.57
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	12	0.57
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	18	0.57
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	1	0.57
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	1	0.57
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	19	0.57
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	14	0.57
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	19	0.57
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	13	0.57
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	13	0.57
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	19	0.57
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	19	0.57
(1,1296)	1:191:A:ALA:HB1	1:195:A:ALA:H	16	0.57
(1,1296)	1:191:A:ALA:HB2	1:195:A:ALA:H	16	0.57
(1,1296)	1:191:A:ALA:HB3	1:195:A:ALA:H	16	0.57
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	4	0.57
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	4	0.57
(1,1220)	1:89:A:VAL:H	1:89:A:VAL:HB	19	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	1	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	2	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	3	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	4	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	5	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	7	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	8	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	9	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	10	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	12	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	15	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	18	0.57
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	19	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	4	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	7	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	8	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	9	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	13	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	14	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	15	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	18	0.57
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	19	0.57
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	1	0.57
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	1	0.57
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	12	0.57
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	12	0.57
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	2	0.57
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	2	0.57
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	14	0.57
(1,1153)	1:211:A:VAL:H	1:212:A:MET:H	14	0.57
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	2	0.57
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	10	0.57
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	4	0.57
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	6	0.57
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	7	0.57
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	9	0.57
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	9	0.57
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	9	0.57
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	9	0.57
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	15	0.57
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	5	0.57
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	17	0.57
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	5	0.57
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	5	0.57
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	5	0.57
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	16	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	2	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	2	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	5	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	5	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	12	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	12	0.57
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	18	0.57
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	10	0.57
(1,972)	1:236:A:LYS:H	1:237:A:LEU:H	12	0.57
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	1	0.57
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	2	0.57
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	3	0.57
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	15	0.57
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	5	0.57
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	12	0.57
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	19	0.57
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	9	0.57
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	9	0.57
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	13	0.57
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	13	0.57
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	14	0.57
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	14	0.57
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	18	0.57
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	18	0.57
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	18	0.57
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	18	0.57
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	18	0.57
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	18	0.57
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	6	0.57
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	6	0.57
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	6	0.57
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	11	0.57
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	11	0.57
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	3	0.57
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	3	0.57
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	7	0.57
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	7	0.57
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	7	0.57
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	7	0.57
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	7	0.57
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	7	0.57
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	1	0.57
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	1	0.57
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	5	0.57
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	15	0.57
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	15	0.57
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	15	0.57
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	8	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	8	0.57
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	8	0.57
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	2	0.57
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	8	0.57
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	11	0.57
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	11	0.57
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	11	0.57
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	11	0.57
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	6	0.57
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	6	0.57
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	7	0.57
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	7	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	3	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	3	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	3	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	4	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	4	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	4	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	6	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	6	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	6	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	7	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	7	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	7	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	8	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	8	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	8	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	9	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	9	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	9	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	10	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	10	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	10	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	11	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	11	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	11	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	13	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	13	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	13	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	14	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	14	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	15	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	15	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	15	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	17	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	17	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	17	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	19	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	19	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	19	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD11	20	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD12	20	0.57
(1,668)	1:93:A:ILE:HB	1:93:A:ILE:HD13	20	0.57
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	1	0.57
(1,662)	1:53:A:MET:H	1:53:A:MET:HG2	11	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	1	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	1	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	1	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	13	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	13	0.57
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	13	0.57
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	12	0.57
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	12	0.57
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	12	0.57
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	16	0.57
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	16	0.57
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	16	0.57
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	16	0.57
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	16	0.57
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	16	0.57
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	16	0.57
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	16	0.57
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	16	0.57
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	13	0.57
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	13	0.57
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	13	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	9	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	9	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	17	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	17	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD1	18	0.57
(1,586)	1:75:A:TYR:HA	1:75:A:TYR:HD2	18	0.57
(1,578)	1:113:A:LEU:HA	1:116:A:TRP:H	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	4	0.57
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	4	0.57
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	4	0.57
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	12	0.57
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	12	0.57
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	9	0.57
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	9	0.57
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	9	0.57
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	9	0.57
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	9	0.57
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	9	0.57
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	3	0.57
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	3	0.57
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	3	0.57
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	3	0.57
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	12	0.57
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	12	0.57
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	12	0.57
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	12	0.57
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	1	0.57
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	1	0.57
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	1	0.57
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	3	0.57
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	1	0.57
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	1	0.57
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	9	0.57
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	9	0.57
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	9	0.57
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	9	0.57
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	9	0.57
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	2	0.57
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	2	0.57
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	6	0.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD11	7	0.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD12	7	0.57
(1,435)	1:134:A:ILE:HA	1:134:A:ILE:HD13	7	0.57
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	8	0.57
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	8	0.57
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	8	0.57
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	6	0.57
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	6	0.57
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	6	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	6	0.57
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	6	0.57
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	6	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	18	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	18	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	18	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	18	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	18	0.57
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	18	0.57
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	18	0.57
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	18	0.57
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	18	0.57
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	10	0.57
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	11	0.57
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	3	0.57
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	3	0.57
(1,358)	1:18:A:TYR:H	1:21:A:ARG:HG2	6	0.57
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	8	0.57
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	8	0.57
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	5	0.57
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	5	0.57
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	20	0.57
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	20	0.57
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	1	0.57
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	9	0.57
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	16	0.57
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	12	0.57
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	12	0.57
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	12	0.57
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	12	0.57
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	8	0.57
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	8	0.57
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	8	0.57
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	20	0.57
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	20	0.57
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	20	0.57
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	18	0.57
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	18	0.57
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	18	0.57
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	18	0.57
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	18	0.57
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	18	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	18	0.57
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	18	0.57
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	18	0.57
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB2	7	0.57
(1,229)	1:37:A:ALA:HA	1:40:A:LYS:HB3	7	0.57
(1,210)	1:93:A:ILE:HD11	1:109:A:VAL:HB	15	0.57
(1,210)	1:93:A:ILE:HD12	1:109:A:VAL:HB	15	0.57
(1,210)	1:93:A:ILE:HD13	1:109:A:VAL:HB	15	0.57
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	5	0.57
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	5	0.57
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	5	0.57
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	5	0.57
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	5	0.57
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	5	0.57
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	5	0.57
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	5	0.57
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	5	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	9	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	9	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	9	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	9	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	9	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	9	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	11	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	11	0.57
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	11	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	11	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	11	0.57
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	11	0.57
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	17	0.57
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	17	0.57
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	17	0.57
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	11	0.57
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	11	0.57
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	17	0.57
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	17	0.57
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	5	0.57
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	12	0.57
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	19	0.57
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	19	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	1	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	2	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	2	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	12	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	12	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	15	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	15	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	17	0.57
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	17	0.57
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	6	0.57
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	6	0.57
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	7	0.57
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	7	0.57
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	20	0.57
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	20	0.57
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	19	0.57
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	4	0.57
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	2	0.57
(1,55)	1:136:A:ILE:HA	1:170:A:ALA:H	18	0.57
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	2	0.57
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	2	0.57
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	1	0.57
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	1	0.57
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	1	0.57
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	7	0.57
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	12	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	12	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	12	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	18	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	18	0.56
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	18	0.56
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	13	0.56
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	13	0.56
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	13	0.56
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	14	0.56
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	14	0.56
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	14	0.56
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	3	0.56
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	3	0.56
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	3	0.56
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	13	0.56
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	13	0.56
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	13	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	7	0.56
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	7	0.56
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	7	0.56
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	5	0.56
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	5	0.56
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	5	0.56
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	13	0.56
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	13	0.56
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	13	0.56
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	18	0.56
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	18	0.56
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	18	0.56
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	4	0.56
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	4	0.56
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	4	0.56
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	4	0.56
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	4	0.56
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	4	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	12	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	13	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	13	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	13	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	13	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	13	0.56
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	13	0.56
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	14	0.56
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	14	0.56
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	14	0.56
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	5	0.56
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	5	0.56
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	5	0.56
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	5	0.56
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	5	0.56
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	5	0.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	2	0.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	2	0.56
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	2	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD11	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD12	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD13	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD21	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD22	20	0.56
(1,2004)	1:189:A:LEU:H	1:189:A:LEU:HD23	20	0.56
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	14	0.56
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	14	0.56
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	14	0.56
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	14	0.56
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	14	0.56
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	14	0.56
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	14	0.56
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	14	0.56
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	14	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	5	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	5	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	5	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	16	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	16	0.56
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	16	0.56
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	3	0.56
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	3	0.56
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	3	0.56
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	3	0.56
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	3	0.56
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	3	0.56
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	4	0.56
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	4	0.56
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	4	0.56
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	9	0.56
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	9	0.56
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	9	0.56
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	15	0.56
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	15	0.56
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	15	0.56
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	15	0.56
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	15	0.56
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	15	0.56
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	15	0.56
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	15	0.56
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	16	0.56
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	16	0.56
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	16	0.56
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	16	0.56
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	16	0.56
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	16	0.56
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD11	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD12	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD13	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD21	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD22	1:196:A:LEU:HB3	8	0.56
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB2	8	0.56
(1,1904)	1:113:A:LEU:HD23	1:196:A:LEU:HB3	8	0.56
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	8	0.56
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	8	0.56
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	8	0.56
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	8	0.56
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	8	0.56
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	8	0.56
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	8	0.56
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	8	0.56
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	8	0.56
(1,1809)	1:48:A:LEU:HD21	1:58:A:VAL:HA	4	0.56
(1,1809)	1:48:A:LEU:HD22	1:58:A:VAL:HA	4	0.56
(1,1809)	1:48:A:LEU:HD23	1:58:A:VAL:HA	4	0.56
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	5	0.56
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	5	0.56
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	5	0.56
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	5	0.56
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	5	0.56
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG21	17	0.56
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG22	17	0.56
(1,1788)	1:68:A:GLY:H	1:155:A:THR:HG23	17	0.56
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	4	0.56
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	1	0.56
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	1	0.56
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	1	0.56
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	1	0.56
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	4	0.56
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	11	0.56
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	3	0.56
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	3	0.56
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	14	0.56
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	14	0.56
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	2	0.56
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	15	0.56
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	8	0.56
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	8	0.56
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	8	0.56
(1,1664)	1:41:A:GLU:H	1:41:A:GLU:HG2	18	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	1	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	1	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	5	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	5	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	8	0.56
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	8	0.56
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	7	0.56
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	12	0.56
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	16	0.56
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	16	0.56
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	3	0.56
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	3	0.56
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	3	0.56
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	3	0.56
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	5	0.56
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	5	0.56
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	5	0.56
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	5	0.56
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	17	0.56
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	17	0.56
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	13	0.56
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	18	0.56
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	2	0.56
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	2	0.56
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	2	0.56
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	5	0.56
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	5	0.56
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	5	0.56
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	20	0.56
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	5	0.56
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	5	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	3	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	3	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	3	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	12	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	12	0.56
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	12	0.56
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	9	0.56
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	14	0.56
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	1	0.56
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	2	0.56
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	5	0.56
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	10	0.56
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	16	0.56
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	7	0.56
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	13	0.56
(1,1362)	1:124:A:PHE:HB2	1:125:A:ARG:H	14	0.56
(1,1362)	1:124:A:PHE:HB3	1:125:A:ARG:H	14	0.56
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	6	0.56
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	6	0.56
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	6	0.56
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	6	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	10	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	10	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	10	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	12	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	12	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	12	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	19	0.56
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	19	0.56
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG12	5	0.56
(1,1340)	1:119:A:GLU:H	1:120:A:ILE:HG13	5	0.56
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	7	0.56
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	7	0.56
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	17	0.56
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	17	0.56
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	1	0.56
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	5	0.56
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	13	0.56
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	17	0.56
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	17	0.56
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	17	0.56
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	4	0.56
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	17	0.56
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	17	0.56
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	17	0.56
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	19	0.56
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	19	0.56
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	19	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	1	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	2	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	3	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	5	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	6	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	10	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	11	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	16	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	17	0.56
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	20	0.56
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	10	0.56
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	10	0.56
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	13	0.56
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	13	0.56
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	4	0.56
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	19	0.56
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	20	0.56
(1,1139)	1:198:A:HIS:H	1:199:A:SER:H	20	0.56
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	8	0.56
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	14	0.56
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	15	0.56
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	12	0.56
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	3	0.56
(1,1090)	1:168:A:GLY:H	1:169:A:ASP:H	2	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	7	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	7	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	7	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	7	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	10	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	10	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	10	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	10	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	14	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	14	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	14	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	14	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	16	0.56
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	16	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	16	0.56
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	16	0.56
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	7	0.56
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	16	0.56
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	1	0.56
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	6	0.56
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	16	0.56
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	19	0.56
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	6	0.56
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	6	0.56
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	6	0.56
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	9	0.56
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	9	0.56
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	9	0.56
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	16	0.56
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	5	0.56
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	8	0.56
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	6	0.56
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	19	0.56
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	4	0.56
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	4	0.56
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	15	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	1	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	2	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	3	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	5	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	6	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	8	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	13	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	16	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	18	0.56
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	20	0.56
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	9	0.56
(1,902)	1:22:A:PHE:H	1:23:A:TYR:H	14	0.56
(1,900)	1:22:A:PHE:H	1:23:A:TYR:H	14	0.56
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	3	0.56
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	5	0.56
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	8	0.56
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	14	0.56
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	18	0.56
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	19	0.56
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	10	0.56
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	12	0.56
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	2	0.56
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	2	0.56
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	2	0.56
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	2	0.56
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	10	0.56
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	10	0.56
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	13	0.56
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	13	0.56
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	13	0.56
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	2	0.56
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	2	0.56
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	2	0.56
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	2	0.56
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	2	0.56
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	2	0.56
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	6	0.56
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	6	0.56
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	6	0.56
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	6	0.56
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	6	0.56
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	6	0.56
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	7	0.56
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	7	0.56
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	7	0.56
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	7	0.56
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	7	0.56
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	3	0.56
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	9	0.56
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	3	0.56
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	3	0.56
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	3	0.56
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	7	0.56
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	7	0.56
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	11	0.56
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	11	0.56
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	11	0.56
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	19	0.56
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	19	0.56
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	19	0.56
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	1	0.56
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	1	0.56
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	1	0.56
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	1	0.56
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	1	0.56
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	1	0.56
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	14	0.56
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	14	0.56
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	18	0.56
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	18	0.56
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	18	0.56
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	18	0.56
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	18	0.56
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	18	0.56
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	20	0.56
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	20	0.56
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	20	0.56
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	20	0.56
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	17	0.56
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	17	0.56
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	17	0.56
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	13	0.56
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	13	0.56
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	13	0.56
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	7	0.56
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	7	0.56
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	19	0.56
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	2	0.56
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	12	0.56
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	15	0.56
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	15	0.56
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	15	0.56
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	15	0.56
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	15	0.56
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	15	0.56
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	15	0.56
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	15	0.56
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	15	0.56
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	2	0.56
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	2	0.56
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	2	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	19	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	19	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	19	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	19	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	19	0.56
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	19	0.56
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	19	0.56
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	19	0.56
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	19	0.56
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	5	0.56
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	5	0.56
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	5	0.56
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	5	0.56
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	9	0.56
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	9	0.56
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	11	0.56
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	11	0.56
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	13	0.56
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	13	0.56
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	13	0.56
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	13	0.56
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	13	0.56
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	13	0.56
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	14	0.56
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	19	0.56
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	10	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	10	0.56
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	17	0.56
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	4	0.56
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	4	0.56
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	4	0.56
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	13	0.56
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	13	0.56
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	13	0.56
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	13	0.56
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	13	0.56
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	13	0.56
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	13	0.56
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	13	0.56
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	13	0.56
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.56
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.56
(1,166)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.56
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	6	0.56
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	6	0.56
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	6	0.56
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	13	0.56
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	20	0.56
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	20	0.56
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	14	0.56
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	9	0.56
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	2	0.56
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	7	0.56
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	8	0.56
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	18	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	4	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	4	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	9	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	9	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	10	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	10	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	14	0.56
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	14	0.56
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	5	0.56
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	9	0.56
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	9	0.56
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG2	8	0.56
(1,89)	1:62:A:MET:HA	1:62:A:MET:HG3	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	15	0.56
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	15	0.56
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	16	0.56
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	7	0.56
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	7	0.56
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	7	0.56
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	7	0.56
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	20	0.56
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	6	0.56
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	6	0.56
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	5	0.56
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	5	0.56
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	3	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	2	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	2	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	2	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	10	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	10	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	10	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	16	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	16	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	16	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	19	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	19	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	19	0.55
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	13	0.55
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	13	0.55
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	13	0.55
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	6	0.55
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	6	0.55
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	6	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	2	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	2	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	2	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	18	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	18	0.55
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	18	0.55
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	17	0.55
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	17	0.55
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	17	0.55
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	14	0.55
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	14	0.55
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	20	0.55
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	20	0.55
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	20	0.55
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD21	2	0.55
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD22	2	0.55
(1,2200)	1:39:A:LEU:H	1:39:A:LEU:HD23	2	0.55
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	9	0.55
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	9	0.55
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	9	0.55
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	9	0.55
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	9	0.55
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	9	0.55
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	10	0.55
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	10	0.55
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	10	0.55
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	14	0.55
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	14	0.55
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	14	0.55
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	8	0.55
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	8	0.55
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	8	0.55
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	17	0.55
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	17	0.55
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	17	0.55
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	17	0.55
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	17	0.55
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	17	0.55
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	17	0.55
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	17	0.55
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	17	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	1	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	1	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	1	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	9	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	9	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	9	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	11	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	11	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	11	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	15	0.55
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	15	0.55
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	2	0.55
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	2	0.55
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	2	0.55
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	1	0.55
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	1	0.55
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	1	0.55
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	1	0.55
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	1	0.55
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	1	0.55
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	1	0.55
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	1	0.55
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	1	0.55
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	7	0.55
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	7	0.55
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	7	0.55
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	7	0.55
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	7	0.55
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	7	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	12	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	12	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	12	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	19	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	19	0.55
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	19	0.55
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	11	0.55
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	11	0.55
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	11	0.55
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	13	0.55
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	13	0.55
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	13	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	13	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	13	0.55
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	13	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	13	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	13	0.55
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	13	0.55
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	18	0.55
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	18	0.55
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	18	0.55
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	18	0.55
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	18	0.55
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	18	0.55
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	18	0.55
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	18	0.55
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	18	0.55
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	18	0.55
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	18	0.55
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	18	0.55
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	8	0.55
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	8	0.55
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	8	0.55
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	6	0.55
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	6	0.55
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	6	0.55
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	6	0.55
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	6	0.55
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	6	0.55
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	11	0.55
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	11	0.55
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	4	0.55
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	4	0.55
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	4	0.55
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	4	0.55
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	4	0.55
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	4	0.55
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	10	0.55
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	10	0.55
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	10	0.55
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	10	0.55
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	15	0.55
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	9	0.55
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	9	0.55
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	2	0.55
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	9	0.55
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	9	0.55
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	9	0.55
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	15	0.55
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	15	0.55
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	15	0.55
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	9	0.55
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	9	0.55
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	13	0.55
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	13	0.55
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	13	0.55
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	11	0.55
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	11	0.55
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	11	0.55
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	11	0.55
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	19	0.55
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	19	0.55
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	11	0.55
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	11	0.55
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	11	0.55
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	14	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	2	0.55
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	2	0.55
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	19	0.55
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	19	0.55
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	19	0.55
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	6	0.55
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	10	0.55
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	10	0.55
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	12	0.55
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	12	0.55
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	16	0.55
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	16	0.55
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	16	0.55
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	3	0.55
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	17	0.55
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	17	0.55
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	13	0.55
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	7	0.55
(1,1377)	1:128:A:VAL:HB	1:129:A:TRP:H	12	0.55
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	4	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	8	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	8	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	8	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	8	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	11	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	11	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	11	0.55
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	11	0.55
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG21	2	0.55
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG22	2	0.55
(1,1341)	1:119:A:GLU:H	1:120:A:ILE:HG23	2	0.55
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	9	0.55
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	11	0.55
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	4	0.55
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	19	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	10	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	10	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	10	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	20	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	20	0.55
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	20	0.55
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	8	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	8	0.55
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	8	0.55
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	12	0.55
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	6	0.55
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	2	0.55
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	17	0.55
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	12	0.55
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	2	0.55
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	2	0.55
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	3	0.55
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	3	0.55
(1,1167)	1:231:A:ILE:HG12	1:232:A:LYS:H	15	0.55
(1,1167)	1:231:A:ILE:HG13	1:232:A:LYS:H	15	0.55
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	16	0.55
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	13	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	1	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	3	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	5	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	9	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	11	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	13	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	14	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	18	0.55
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	20	0.55
(1,1088)	1:168:A:GLY:H	1:169:A:ASP:H	2	0.55
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	5	0.55
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	5	0.55
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	5	0.55
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	5	0.55
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	2	0.55
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	8	0.55
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	9	0.55
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	13	0.55
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	8	0.55
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	8	0.55
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	8	0.55
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	1	0.55
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	6	0.55
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	16	0.55
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	15	0.55
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	15	0.55
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	7	0.55
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	8	0.55
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	19	0.55
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	9	0.55
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	18	0.55
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	14	0.55
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	19	0.55
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	12	0.55
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	1	0.55
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	12	0.55
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	20	0.55
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	7	0.55
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	7	0.55
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	10	0.55
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	16	0.55
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	9	0.55
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	12	0.55
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	17	0.55
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	7	0.55
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	7	0.55
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	7	0.55
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	3	0.55
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	3	0.55
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	7	0.55
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	7	0.55
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	17	0.55
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	17	0.55
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	17	0.55
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	17	0.55
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	17	0.55
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	17	0.55
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	5	0.55
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	5	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	1	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	1	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	1	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	7	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	7	0.55
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	7	0.55
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	6	0.55
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	6	0.55
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	1	0.55
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	1	0.55
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	1	0.55
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	1	0.55
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	1	0.55
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	1	0.55
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	1	0.55
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	1	0.55
(1,778)	1:129:A:TRP:HB2	1:129:A:TRP:HD1	15	0.55
(1,778)	1:129:A:TRP:HB3	1:129:A:TRP:HD1	15	0.55
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	8	0.55
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	17	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	3	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	3	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	3	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	3	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	4	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	4	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	4	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	4	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	7	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	7	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	7	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	7	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	10	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	10	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	10	0.55
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	10	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	1	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	1	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	1	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	2	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	2	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	2	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	3	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	3	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	3	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	5	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	5	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	5	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	6	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	6	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	7	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	7	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	7	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	9	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	9	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	9	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	11	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	11	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	11	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	12	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	12	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	12	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	13	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	13	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	13	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	14	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	14	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	14	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	15	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	15	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	15	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	16	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	16	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	16	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	17	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	17	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	17	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	18	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	18	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	18	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	19	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	19	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	19	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	20	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	20	0.55
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	20	0.55
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	17	0.55
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	17	0.55
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	17	0.55
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	17	0.55
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	17	0.55
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD1	5	0.55
(1,646)	1:42:A:MET:HG2	1:46:A:PHE:HD2	5	0.55
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD1	5	0.55
(1,646)	1:42:A:MET:HG3	1:46:A:PHE:HD2	5	0.55
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	14	0.55
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	14	0.55
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	19	0.55
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	19	0.55
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	10	0.55
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	10	0.55
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	8	0.55
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	8	0.55
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	16	0.55
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	16	0.55
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	4	0.55
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	4	0.55
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	4	0.55
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	10	0.55
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	15	0.55
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	15	0.55
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	5	0.55
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	5	0.55
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	5	0.55
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	5	0.55
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	5	0.55
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	5	0.55
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	1	0.55
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	1	0.55
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	1	0.55
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	1	0.55
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	1	0.55
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	1	0.55
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	1	0.55
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	7	0.55
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	16	0.55
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	16	0.55
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	16	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	16	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	16	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	16	0.55
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	19	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	19	0.55
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	19	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	19	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	19	0.55
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	19	0.55
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	18	0.55
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	18	0.55
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	4	0.55
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	4	0.55
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	14	0.55
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	14	0.55
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE1	7	0.55
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE2	7	0.55
(1,360)	1:19:A:LEU:HB3	1:62:A:MET:HE3	7	0.55
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	8	0.55
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	13	0.55
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	13	0.55
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	12	0.55
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	12	0.55
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	1	0.55
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	1	0.55
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	6	0.55
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	11	0.55
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	18	0.55
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	18	0.55
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	18	0.55
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	6	0.55
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	19	0.55
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	19	0.55
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	19	0.55
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	1	0.55
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	1	0.55
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	1	0.55
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	13	0.55
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	13	0.55
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	13	0.55
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE1	19	0.55
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE2	19	0.55
(1,244)	1:115:A:MET:HB2	1:115:A:MET:HE3	19	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	1	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	1	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	1	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	1	0.55
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	1	0.55
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	1	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	1	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	1	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	1	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	5	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	5	0.55
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	5	0.55
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	5	0.55
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	5	0.55
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	5	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	5	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	5	0.55
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	5	0.55
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	6	0.55
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	6	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	5	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	5	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	5	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	5	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	5	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	5	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	5	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	5	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	5	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	6	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	6	0.55
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	6	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	6	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	6	0.55
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	6	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	6	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	6	0.55
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	6	0.55
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE1	15	0.55
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE2	15	0.55
(1,176)	1:116:A:TRP:HZ3	1:202:A:MET:HE3	15	0.55
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	9	0.55
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	9	0.55
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	9	0.55
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	13	0.55
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	13	0.55
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	15	0.55
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	15	0.55
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	15	0.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	14	0.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	14	0.55
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	14	0.55
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	3	0.55
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	3	0.55
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	3	0.55
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	10	0.55
(1,136)	1:204:A:HIS:HE1	1:214:A:PRO:HA	4	0.55
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	7	0.55
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	7	0.55
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	16	0.55
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	9	0.55
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	17	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	3	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	3	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	3	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	4	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	4	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	4	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	6	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	6	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	6	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	8	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	8	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	8	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	11	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	11	0.55
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	11	0.55
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	11	0.55
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	11	0.55
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	19	0.55
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	19	0.55
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	19	0.55
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	19	0.55
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	17	0.55
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	17	0.55
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	6	0.55
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	11	0.55
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	13	0.55
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	12	0.55
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	12	0.55
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	19	0.55
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	19	0.55
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	5	0.55
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	5	0.55
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	5	0.55
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	4	0.55
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	4	0.55
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	19	0.55
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	6	0.54
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	6	0.54
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	6	0.54
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	11	0.54
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	11	0.54
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	11	0.54
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	9	0.54
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	9	0.54
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	9	0.54
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	16	0.54
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	16	0.54
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	16	0.54
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	1	0.54
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	1	0.54
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	1	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	2	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	2	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	2	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	10	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	10	0.54
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	10	0.54
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	3	0.54
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	3	0.54
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	3	0.54
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	4	0.54
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	4	0.54
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	4	0.54
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	9	0.54
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	9	0.54
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	17	0.54
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	17	0.54
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	17	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	9	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	9	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	9	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	18	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	18	0.54
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	18	0.54
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG21	12	0.54
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG22	12	0.54
(1,2047)	1:89:A:VAL:H	1:89:A:VAL:HG23	12	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD11	2	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD12	2	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD13	2	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD21	2	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD22	2	0.54
(1,2043)	1:39:A:LEU:HD11	1:54:A:LEU:HD23	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD11	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD12	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD13	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD21	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD22	2	0.54
(1,2043)	1:39:A:LEU:HD12	1:54:A:LEU:HD23	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD11	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD12	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD13	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD21	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD22	2	0.54
(1,2043)	1:39:A:LEU:HD13	1:54:A:LEU:HD23	2	0.54
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	8	0.54
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	8	0.54
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	8	0.54
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	8	0.54
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	8	0.54
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	8	0.54
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	8	0.54
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	8	0.54
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	8	0.54
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	19	0.54
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	19	0.54
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	15	0.54
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	15	0.54
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	15	0.54
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	15	0.54
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	15	0.54
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	15	0.54
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	12	0.54
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	12	0.54
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	12	0.54
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	8	0.54
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	8	0.54
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	8	0.54
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	11	0.54
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	11	0.54
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	11	0.54
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	11	0.54
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	11	0.54
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	11	0.54
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	19	0.54
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	19	0.54
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	19	0.54
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	19	0.54
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	19	0.54
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	19	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	3	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	3	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	3	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	13	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	13	0.54
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	13	0.54
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	8	0.54
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	8	0.54
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	8	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	8	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	8	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	8	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	8	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	8	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	8	0.54
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	14	0.54
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	14	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	14	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	14	0.54
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	14	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	14	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	14	0.54
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	14	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	1	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	1	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	1	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	2	0.54
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	2	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	2	0.54
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	2	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	2	0.54
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	2	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	2	0.54
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	2	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	2	0.54
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	2	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	2	0.54
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	2	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	17	0.54
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	17	0.54
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	2	0.54
(1,1754)	1:68:A:GLY:H	1:155:A:THR:HA	16	0.54
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	1	0.54
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	1	0.54
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	16	0.54
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	16	0.54
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	5	0.54
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	16	0.54
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	16	0.54
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	16	0.54
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	5	0.54
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	17	0.54
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	17	0.54
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	17	0.54
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	19	0.54
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	19	0.54
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	19	0.54
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	19	0.54
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	3	0.54
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	17	0.54
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	10	0.54
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	10	0.54
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	10	0.54
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	18	0.54
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	18	0.54
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	19	0.54
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	16	0.54
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	16	0.54
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	2	0.54
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	2	0.54
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	2	0.54
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	8	0.54
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	8	0.54
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	8	0.54
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	8	0.54
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	10	0.54
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	10	0.54
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	17	0.54
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	17	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	3	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	3	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	3	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	6	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	6	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	6	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	9	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	9	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	9	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	16	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	16	0.54
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	16	0.54
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	20	0.54
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	3	0.54
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	7	0.54
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	7	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	7	0.54
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	10	0.54
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	10	0.54
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	10	0.54
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	17	0.54
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	17	0.54
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	17	0.54
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	6	0.54
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	6	0.54
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	7	0.54
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	7	0.54
(1,1390)	1:132:A:ALA:HB1	1:134:A:ILE:H	12	0.54
(1,1390)	1:132:A:ALA:HB2	1:134:A:ILE:H	12	0.54
(1,1390)	1:132:A:ALA:HB3	1:134:A:ILE:H	12	0.54
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	10	0.54
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	20	0.54
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	20	0.54
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	20	0.54
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	20	0.54
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	18	0.54
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	4	0.54
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	9	0.54
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	9	0.54
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	9	0.54
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	2	0.54
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	11	0.54
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	11	0.54
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	16	0.54
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	16	0.54
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	4	0.54
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	17	0.54
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	9	0.54
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	15	0.54
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	15	0.54
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG2	15	0.54
(1,1256)	1:98:A:ARG:H	1:98:A:ARG:HG3	15	0.54
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	19	0.54
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	11	0.54
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	11	0.54
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	12	0.54
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	12	0.54
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	16	0.54
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	16	0.54
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	16	0.54
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	5	0.54
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	5	0.54
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	2	0.54
(1,1178)	1:236:A:LYS:H	1:237:A:LEU:H	12	0.54
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	8	0.54
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	16	0.54
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	6	0.54
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	6	0.54
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	6	0.54
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	11	0.54
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	18	0.54
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	10	0.54
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	2	0.54
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	4	0.54
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	19	0.54
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	1	0.54
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	1	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	1	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	1	0.54
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	3	0.54
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	3	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	3	0.54
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	3	0.54
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	10	0.54
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD11	1	0.54
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD12	1	0.54
(1,1058)	1:135:A:MET:H	1:136:A:ILE:HD13	1	0.54
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	1	0.54
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	16	0.54
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	16	0.54
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	16	0.54
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	5	0.54
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	4	0.54
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	3	0.54
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	17	0.54
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	1	0.54
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	1	0.54
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	1	0.54
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	11	0.54
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	11	0.54
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	6	0.54
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	6	0.54
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	6	0.54
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	13	0.54
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	13	0.54
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	12	0.54
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	10	0.54
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	6	0.54
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	10	0.54
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	20	0.54
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	2	0.54
(1,935)	1:45:A:PHE:H	1:46:A:PHE:H	17	0.54
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	2	0.54
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	9	0.54
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	15	0.54
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	17	0.54
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	17	0.54
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	13	0.54
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	4	0.54
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	15	0.54
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	4	0.54
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	10	0.54
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	18	0.54
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	18	0.54
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	18	0.54
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	18	0.54
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	20	0.54
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	20	0.54
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB1	14	0.54
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB2	14	0.54
(1,815)	1:178:A:TRP:HH2	1:191:A:ALA:HB3	14	0.54
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	9	0.54
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	9	0.54
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	9	0.54
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	9	0.54
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	9	0.54
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	9	0.54
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	4	0.54
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	4	0.54
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	14	0.54
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	14	0.54
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	14	0.54
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	6	0.54
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	19	0.54
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	4	0.54
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	12	0.54
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	12	0.54
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	12	0.54
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	12	0.54
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	18	0.54
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	18	0.54
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	6	0.54
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	6	0.54
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	6	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	2	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	2	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	2	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	8	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	8	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	8	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	9	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	9	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	9	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	11	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	11	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	11	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	15	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	15	0.54
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	15	0.54
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	13	0.54
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	13	0.54
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	10	0.54
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	10	0.54
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	10	0.54
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	10	0.54
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	10	0.54
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	10	0.54
(1,552)	1:202:A:MET:HE1	1:203:A:GLY:H	17	0.54
(1,552)	1:202:A:MET:HE2	1:203:A:GLY:H	17	0.54
(1,552)	1:202:A:MET:HE3	1:203:A:GLY:H	17	0.54
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	1	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	14	0.54
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	14	0.54
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	14	0.54
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	14	0.54
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	11	0.54
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	11	0.54
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	11	0.54
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	14	0.54
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	14	0.54
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	14	0.54
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	18	0.54
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	18	0.54
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	18	0.54
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	13	0.54
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	16	0.54
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	10	0.54
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	10	0.54
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	18	0.54
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	18	0.54
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	6	0.54
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	8	0.54
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	8	0.54
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	10	0.54
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	10	0.54
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	10	0.54
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	10	0.54
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	10	0.54
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	10	0.54
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	19	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	20	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	20	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	20	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	20	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	20	0.54
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	20	0.54
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	20	0.54
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	6	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	6	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	6	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	10	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	10	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	11	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	11	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	13	0.54
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	13	0.54
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	9	0.54
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	9	0.54
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	11	0.54
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	3	0.54
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	3	0.54
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	11	0.54
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	11	0.54
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	17	0.54
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	17	0.54
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	17	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	6	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	6	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	6	0.54
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	6	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	3	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	3	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	3	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	9	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	9	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	9	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	14	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	14	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	14	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	17	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	17	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	17	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	18	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	18	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	18	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	20	0.54
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	20	0.54
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	20	0.54
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	3	0.54
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	3	0.54
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	3	0.54
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	3	0.54
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	3	0.54
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	3	0.54
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	3	0.54
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	3	0.54
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	2	0.54
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	2	0.54
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	2	0.54
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	2	0.54
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	2	0.54
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	2	0.54
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	2	0.54
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	2	0.54
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	2	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	2	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	2	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	2	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	2	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	2	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	2	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	2	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	2	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	2	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD11	20	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD12	20	0.54
(1,184)	1:61:A:ILE:HG21	1:61:A:ILE:HD13	20	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD11	20	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD12	20	0.54
(1,184)	1:61:A:ILE:HG22	1:61:A:ILE:HD13	20	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD11	20	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD12	20	0.54
(1,184)	1:61:A:ILE:HG23	1:61:A:ILE:HD13	20	0.54
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG21	1:180:A:ASP:HB3	6	0.54
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG22	1:180:A:ASP:HB3	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB2	6	0.54
(1,183)	1:104:A:THR:HG23	1:180:A:ASP:HB3	6	0.54
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	19	0.54
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	19	0.54
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	1	0.54
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	6	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	7	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	7	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	7	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	13	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	13	0.54
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	13	0.54
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	16	0.54
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	16	0.54
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	7	0.54
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	10	0.54
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	13	0.54
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	13	0.54
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	16	0.54
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	16	0.54
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	20	0.54
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	20	0.54
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	20	0.54
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	20	0.54
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	5	0.54
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	5	0.54
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	15	0.54
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	11	0.54
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	11	0.53
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	15	0.53
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	3	0.53
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	3	0.53
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	3	0.53
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	19	0.53
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	19	0.53
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	19	0.53
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	20	0.53
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	20	0.53
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	20	0.53
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	11	0.53
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	11	0.53
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	2	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	2	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	2	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	3	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	3	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	3	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	4	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	4	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	4	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	7	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	7	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	7	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	9	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	9	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	9	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	14	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	14	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	14	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	16	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	16	0.53
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	16	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	8	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	8	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	8	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	18	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	18	0.53
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	18	0.53
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	16	0.53
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	16	0.53
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	16	0.53
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	2	0.53
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	2	0.53
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	2	0.53
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	7	0.53
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	7	0.53
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	7	0.53
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	7	0.53
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	7	0.53
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	7	0.53
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	18	0.53
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	18	0.53
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	18	0.53
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	18	0.53
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	18	0.53
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	10	0.53
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	10	0.53
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	10	0.53
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	10	0.53
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	10	0.53
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	10	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	1	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	1	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	1	0.53
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	1	0.53
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	1	0.53
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	1	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	1	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	1	0.53
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	1	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	2	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	2	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	2	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	3	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	3	0.53
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	3	0.53
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	14	0.53
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	14	0.53
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	14	0.53
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	14	0.53
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	14	0.53
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	14	0.53
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	1	0.53
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	1	0.53
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	1	0.53
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	10	0.53
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	10	0.53
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	10	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	5	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	5	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	5	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	11	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	11	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	16	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	16	0.53
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	16	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	13	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	13	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	13	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	13	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	13	0.53
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	13	0.53
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	13	0.53
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	13	0.53
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	13	0.53
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	9	0.53
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	9	0.53
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	9	0.53
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	9	0.53
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	9	0.53
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	9	0.53
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	9	0.53
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	9	0.53
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	9	0.53
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	12	0.53
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	12	0.53
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	12	0.53
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	12	0.53
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	12	0.53
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	12	0.53
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	12	0.53
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	12	0.53
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG21	13	0.53
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG22	13	0.53
(1,1850)	1:100:A:LEU:HD11	1:104:A:THR:HG23	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG21	13	0.53
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG22	13	0.53
(1,1850)	1:100:A:LEU:HD12	1:104:A:THR:HG23	13	0.53
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG21	13	0.53
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG22	13	0.53
(1,1850)	1:100:A:LEU:HD13	1:104:A:THR:HG23	13	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	1	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	1	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	1	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	1	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	1	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	1	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	1	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	1	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	1	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	5	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	5	0.53
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	5	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	5	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	5	0.53
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	5	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	5	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	5	0.53
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	5	0.53
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	14	0.53
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	14	0.53
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	14	0.53
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	14	0.53
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	14	0.53
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	14	0.53
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	15	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	4	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	4	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	4	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	4	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	15	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	15	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	15	0.53
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	15	0.53
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	2	0.53
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	4	0.53
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	10	0.53
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	10	0.53
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	10	0.53
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	20	0.53
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	20	0.53
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	20	0.53
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	6	0.53
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	6	0.53
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	6	0.53
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	16	0.53
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	16	0.53
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	16	0.53
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	4	0.53
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	17	0.53
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	17	0.53
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	2	0.53
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	2	0.53
(1,1653)	1:34:A:SER:HB2	1:35:A:LEU:H	2	0.53
(1,1653)	1:34:A:SER:HB3	1:35:A:LEU:H	2	0.53
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	8	0.53
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	9	0.53
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	9	0.53
(1,1617)	1:14:A:GLN:HB2	1:15:A:ALA:H	9	0.53
(1,1617)	1:14:A:GLN:HB3	1:15:A:ALA:H	9	0.53
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	11	0.53
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	11	0.53
(1,1615)	1:238:A:TYR:HB2	1:239:A:GLY:H	11	0.53
(1,1615)	1:238:A:TYR:HB3	1:239:A:GLY:H	11	0.53
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	11	0.53
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	11	0.53
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	11	0.53
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	20	0.53
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB2	2	0.53
(1,1569)	1:209:A:ASN:H	1:209:A:ASN:HB3	2	0.53
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	7	0.53
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	7	0.53
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	7	0.53
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	7	0.53
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	9	0.53
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	9	0.53
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	9	0.53
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	8	0.53
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	8	0.53
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	5	0.53
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	17	0.53
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	20	0.53
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	1	0.53
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	1	0.53
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	20	0.53
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	20	0.53
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	13	0.53
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	13	0.53
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	2	0.53
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	2	0.53
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	2	0.53
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	4	0.53
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	4	0.53
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	12	0.53
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	12	0.53
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	16	0.53
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	6	0.53
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	6	0.53
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	6	0.53
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	18	0.53
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	18	0.53
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB2	18	0.53
(1,1359)	1:124:A:PHE:H	1:124:A:PHE:HB3	18	0.53
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	6	0.53
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	16	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	13	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	13	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	13	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	20	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	20	0.53
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	20	0.53
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	13	0.53
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	9	0.53
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	15	0.53
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	15	0.53
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	11	0.53
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	15	0.53
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	6	0.53
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	15	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	15	0.53
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	15	0.53
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	15	0.53
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	13	0.53
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	13	0.53
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	3	0.53
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	3	0.53
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	3	0.53
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	9	0.53
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	9	0.53
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	9	0.53
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	1	0.53
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	1	0.53
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	13	0.53
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	13	0.53
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	4	0.53
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	6	0.53
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	3	0.53
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	6	0.53
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	14	0.53
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	19	0.53
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	3	0.53
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	14	0.53
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	9	0.53
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	17	0.53
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	2	0.53
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	13	0.53
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	19	0.53
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	8	0.53
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	16	0.53
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	18	0.53
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	11	0.53
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	11	0.53
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	11	0.53
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	11	0.53
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	12	0.53
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	12	0.53
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	12	0.53
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	12	0.53
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	15	0.53
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	14	0.53
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	11	0.53
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	14	0.53
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	14	0.53
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	14	0.53
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	7	0.53
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	7	0.53
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	7	0.53
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	4	0.53
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	7	0.53
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	14	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	16	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	16	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	16	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	18	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	18	0.53
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	18	0.53
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	6	0.53
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	5	0.53
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	7	0.53
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	9	0.53
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	8	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	1	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	2	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	3	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	4	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	5	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	12	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	13	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	14	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	15	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	16	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	17	0.53
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	18	0.53
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	17	0.53
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	13	0.53
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	20	0.53
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	12	0.53
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	2	0.53
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	10	0.53
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	16	0.53
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	9	0.53
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	1	0.53
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	16	0.53
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	20	0.53
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	17	0.53
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	18	0.53
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	8	0.53
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	8	0.53
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	8	0.53
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	4	0.53
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	10	0.53
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	10	0.53
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	10	0.53
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	14	0.53
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	15	0.53
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	15	0.53
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	7	0.53
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	7	0.53
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	13	0.53
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	2	0.53
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	2	0.53
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	2	0.53
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	2	0.53
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	2	0.53
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	2	0.53
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	2	0.53
(1,737)	1:104:A:THR:H	1:104:A:THR:HG21	10	0.53
(1,737)	1:104:A:THR:H	1:104:A:THR:HG22	10	0.53
(1,737)	1:104:A:THR:H	1:104:A:THR:HG23	10	0.53
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	10	0.53
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	10	0.53
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	10	0.53
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	20	0.53
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	20	0.53
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	3	0.53
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	3	0.53
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	3	0.53
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	13	0.53
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	13	0.53
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	13	0.53
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	8	0.53
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	8	0.53
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	18	0.53
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	18	0.53
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	16	0.53
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	16	0.53
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	15	0.53
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	15	0.53
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	15	0.53
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	5	0.53
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	5	0.53
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	5	0.53
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	5	0.53
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	19	0.53
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	19	0.53
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	19	0.53
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	19	0.53
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	19	0.53
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	19	0.53
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	8	0.53
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	8	0.53
(1,544)	1:34:A:SER:HB3	1:35:A:LEU:H	8	0.53
(1,544)	1:34:A:SER:HB2	1:35:A:LEU:H	8	0.53
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	10	0.53
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	10	0.53
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	10	0.53
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	11	0.53
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	15	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	2	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	2	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	4	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	4	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	5	0.53
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	5	0.53
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	9	0.53
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	15	0.53
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	12	0.53
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	12	0.53
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	12	0.53
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	12	0.53
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	12	0.53
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	12	0.53
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	13	0.53
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	13	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	13	0.53
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	5	0.53
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	14	0.53
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	14	0.53
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	14	0.53
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	18	0.53
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	18	0.53
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	18	0.53
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	18	0.53
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	18	0.53
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	18	0.53
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	18	0.53
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	18	0.53
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	18	0.53
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	18	0.53
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	18	0.53
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	18	0.53
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	2	0.53
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	2	0.53
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	2	0.53
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	20	0.53
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	20	0.53
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	20	0.53
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	20	0.53
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	20	0.53
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	20	0.53
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	20	0.53
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	20	0.53
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	20	0.53
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	3	0.53
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	3	0.53
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	3	0.53
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	3	0.53
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	3	0.53
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	3	0.53
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	3	0.53
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	3	0.53
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	3	0.53
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	7	0.53
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	7	0.53
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	7	0.53
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	7	0.53
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	7	0.53
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	2	0.53
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	2	0.53
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	2	0.53
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	2	0.53
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB2	15	0.53
(1,368)	1:96:A:TYR:H	1:96:A:TYR:HB3	15	0.53
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	7	0.53
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	7	0.53
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	7	0.53
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	7	0.53
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	7	0.53
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	7	0.53
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	8	0.53
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	8	0.53
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	8	0.53
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	8	0.53
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	8	0.53
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	8	0.53
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	9	0.53
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	9	0.53
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	14	0.53
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	14	0.53
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	17	0.53
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	18	0.53
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	1	0.53
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	1	0.53
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	8	0.53
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	2	0.53
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	4	0.53
(1,276)	1:41:A:GLU:HA	1:41:A:GLU:HG3	18	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	10	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	10	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	10	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	10	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	13	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	13	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	13	0.53
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	13	0.53
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	17	0.53
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	17	0.53
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	17	0.53
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	17	0.53
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	17	0.53
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	17	0.53
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	17	0.53
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	17	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	2	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	2	0.53
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	2	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	5	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	5	0.53
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	5	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	7	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	7	0.53
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	7	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	12	0.53
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	12	0.53
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	12	0.53
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	18	0.53
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	18	0.53
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	17	0.53
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	17	0.53
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	17	0.53
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	20	0.53
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	20	0.53
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	20	0.53
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	20	0.53
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	20	0.53
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	20	0.53
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	20	0.53
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	20	0.53
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	20	0.53
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	16	0.53
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	11	0.53
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	14	0.53
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	20	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	10	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	10	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	10	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	18	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	18	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG21	20	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG22	20	0.53
(1,99)	1:85:A:THR:HA	1:85:A:THR:HG23	20	0.53
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	3	0.53
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	16	0.53
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	8	0.53
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	15	0.53
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	20	0.53
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	20	0.53
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	16	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	3	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	3	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	3	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	6	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	6	0.52
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	6	0.52
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	4	0.52
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	4	0.52
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	4	0.52
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	8	0.52
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	8	0.52
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	8	0.52
(1,2225)	1:136:A:ILE:HD11	1:136:A:ILE:H	1	0.52
(1,2225)	1:136:A:ILE:HD12	1:136:A:ILE:H	1	0.52
(1,2225)	1:136:A:ILE:HD13	1:136:A:ILE:H	1	0.52
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	13	0.52
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	13	0.52
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	13	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	5	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	5	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	5	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	6	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	6	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	6	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	11	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	11	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	11	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	13	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	13	0.52
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	13	0.52
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	17	0.52
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	17	0.52
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	19	0.52
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	19	0.52
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	19	0.52
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	19	0.52
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	19	0.52
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	19	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	8	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	8	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	8	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	8	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	8	0.52
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	8	0.52
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	6	0.52
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	6	0.52
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	6	0.52
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	6	0.52
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	6	0.52
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	6	0.52
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	2	0.52
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	2	0.52
(1,2097)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	2	0.52
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	2	0.52
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	2	0.52
(1,2097)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	2	0.52
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	20	0.52
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	20	0.52
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	20	0.52
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	20	0.52
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	20	0.52
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	20	0.52
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	4	0.52
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	4	0.52
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	4	0.52
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	20	0.52
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	20	0.52
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	20	0.52
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	15	0.52
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	15	0.52
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	15	0.52
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	6	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	6	0.52
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	6	0.52
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	6	0.52
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	6	0.52
(1,2010)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	6	0.52
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG21	6	0.52
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG22	6	0.52
(1,2010)	1:84:A:TRP:HB3	1:89:A:VAL:HG23	6	0.52
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	1	0.52
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	1	0.52
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	1	0.52
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	3	0.52
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	3	0.52
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	3	0.52
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	3	0.52
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	3	0.52
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	3	0.52
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	12	0.52
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	12	0.52
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	12	0.52
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	12	0.52
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	12	0.52
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	12	0.52
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	20	0.52
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	20	0.52
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	20	0.52
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	5	0.52
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	5	0.52
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	5	0.52
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	5	0.52
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	5	0.52
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	5	0.52
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	15	0.52
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	15	0.52
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	15	0.52
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	15	0.52
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	15	0.52
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	15	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	4	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	4	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	4	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	7	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	7	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	8	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	8	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	8	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	14	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	14	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	14	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	15	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	15	0.52
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	15	0.52
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	6	0.52
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	6	0.52
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	6	0.52
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	6	0.52
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	6	0.52
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	6	0.52
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	6	0.52
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	6	0.52
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	6	0.52
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	12	0.52
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	12	0.52
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	12	0.52
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	12	0.52
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	12	0.52
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	12	0.52
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	17	0.52
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	17	0.52
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	17	0.52
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	4	0.52
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	4	0.52
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	4	0.52
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	4	0.52
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	4	0.52
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	4	0.52
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	4	0.52
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	4	0.52
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	4	0.52
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	10	0.52
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	10	0.52
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	10	0.52
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	10	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	10	0.52
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	10	0.52
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	16	0.52
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	16	0.52
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	16	0.52
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	10	0.52
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	10	0.52
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	10	0.52
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	10	0.52
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	10	0.52
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	10	0.52
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	7	0.52
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	18	0.52
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	20	0.52
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	13	0.52
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	13	0.52
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	15	0.52
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	15	0.52
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	19	0.52
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	19	0.52
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	20	0.52
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	20	0.52
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	6	0.52
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	6	0.52
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	5	0.52
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	3	0.52
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	18	0.52
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	8	0.52
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	8	0.52
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	8	0.52
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	11	0.52
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	11	0.52
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	11	0.52
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	15	0.52
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	15	0.52
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	15	0.52
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	7	0.52
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	7	0.52
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	12	0.52
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	12	0.52
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	17	0.52
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	10	0.52
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	13	0.52
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	13	0.52
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	6	0.52
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	8	0.52
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	11	0.52
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	15	0.52
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	18	0.52
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	18	0.52
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	18	0.52
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	7	0.52
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	7	0.52
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	13	0.52
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	13	0.52
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	6	0.52
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	6	0.52
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	7	0.52
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	7	0.52
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	9	0.52
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	9	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	12	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	12	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	12	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	15	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	15	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	15	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	18	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	18	0.52
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	18	0.52
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	9	0.52
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	9	0.52
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	9	0.52
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	14	0.52
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	14	0.52
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	14	0.52
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	20	0.52
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	20	0.52
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	20	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	1	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	1	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	1	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	1	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	1	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	5	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	5	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	5	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	5	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	5	0.52
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	5	0.52
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	13	0.52
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	13	0.52
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	20	0.52
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	14	0.52
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	14	0.52
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	14	0.52
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	5	0.52
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	6	0.52
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	16	0.52
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	3	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	3	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	3	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	3	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	11	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	11	0.52
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	11	0.52
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	1	0.52
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	4	0.52
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	14	0.52
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	3	0.52
(1,1241)	1:92:A:ARG:H	1:135:A:MET:HA	6	0.52
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	10	0.52
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	10	0.52
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	16	0.52
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	16	0.52
(1,1211)	1:85:A:THR:HG21	1:86:A:SER:H	1	0.52
(1,1211)	1:85:A:THR:HG22	1:86:A:SER:H	1	0.52
(1,1211)	1:85:A:THR:HG23	1:86:A:SER:H	1	0.52
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	12	0.52
(1,1182)	1:238:A:TYR:H	1:239:A:GLY:H	11	0.52
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	1	0.52
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	15	0.52
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	2	0.52
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	2	0.52
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	8	0.52
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	11	0.52
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	5	0.52
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	20	0.52
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	3	0.52
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	17	0.52
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	4	0.52
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	4	0.52
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	4	0.52
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	4	0.52
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	18	0.52
(1,1070)	1:10:A:LEU:H	1:11:A:GLN:H	20	0.52
(1,1044)	1:136:A:ILE:HD11	1:170:A:ALA:H	18	0.52
(1,1044)	1:136:A:ILE:HD12	1:170:A:ALA:H	18	0.52
(1,1044)	1:136:A:ILE:HD13	1:170:A:ALA:H	18	0.52
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	3	0.52
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	3	0.52
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	3	0.52
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	18	0.52
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	20	0.52
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	2	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	2	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	5	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	10	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	11	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	12	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	13	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	15	0.52
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	20	0.52
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	13	0.52
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	14	0.52
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	5	0.52
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	15	0.52
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	18	0.52
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	19	0.52
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	8	0.52
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	16	0.52
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	11	0.52
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	17	0.52
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	12	0.52
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	5	0.52
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	12	0.52
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	1	0.52
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	18	0.52
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	15	0.52
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	6	0.52
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	7	0.52
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	8	0.52
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	11	0.52
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	2	0.52
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	6	0.52
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	11	0.52
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	16	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	9	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	9	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	9	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	12	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	12	0.52
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	12	0.52
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	4	0.52
(1,881)	1:12:A:TRP:H	1:13:A:GLU:H	4	0.52
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	1	0.52
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	2	0.52
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	19	0.52
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	19	0.52
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	19	0.52
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	19	0.52
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	19	0.52
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	19	0.52
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	4	0.52
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	4	0.52
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	4	0.52
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	4	0.52
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	4	0.52
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	4	0.52
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	19	0.52
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	20	0.52
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	13	0.52
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	13	0.52
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	2	0.52
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	2	0.52
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	2	0.52
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	9	0.52
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	9	0.52
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	3	0.52
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	3	0.52
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	3	0.52
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	3	0.52
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	3	0.52
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	3	0.52
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	4	0.52
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	4	0.52
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	4	0.52
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	4	0.52
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	4	0.52
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	4	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	2	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	2	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	2	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	2	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	2	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	2	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	17	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	17	0.52
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	17	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	17	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	17	0.52
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	17	0.52
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	9	0.52
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	9	0.52
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	9	0.52
(1,773)	1:126:A:LYS:H	1:126:A:LYS:HB2	11	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	14	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	14	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	14	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	14	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	16	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	16	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	16	0.52
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	16	0.52
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	15	0.52
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	15	0.52
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	15	0.52
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	2	0.52
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	2	0.52
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	2	0.52
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	2	0.52
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	2	0.52
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	2	0.52
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	12	0.52
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	12	0.52
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	12	0.52
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	12	0.52
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	12	0.52
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	12	0.52
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	14	0.52
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	16	0.52
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	16	0.52
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	16	0.52
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	16	0.52
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	16	0.52
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	17	0.52
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	17	0.52
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	17	0.52
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	2	0.52
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	2	0.52
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	20	0.52
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	20	0.52
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	11	0.52
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	11	0.52
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	13	0.52
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	13	0.52
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	12	0.52
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	6	0.52
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	6	0.52
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	6	0.52
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	19	0.52
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	19	0.52
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	19	0.52
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	8	0.52
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	14	0.52
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	1	0.52
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	12	0.52
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	13	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	16	0.52
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	16	0.52
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	16	0.52
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	2	0.52
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	2	0.52
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	2	0.52
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	2	0.52
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	2	0.52
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	2	0.52
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	7	0.52
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	7	0.52
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	7	0.52
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	18	0.52
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	18	0.52
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	18	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	1	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	1	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	1	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	1	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	1	0.52
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	1	0.52
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	17	0.52
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	17	0.52
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	7	0.52
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	7	0.52
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	16	0.52
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	16	0.52
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	3	0.52
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	3	0.52
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	3	0.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	13	0.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	13	0.52
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	13	0.52
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	1	0.52
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	15	0.52
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	7	0.52
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	7	0.52
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	6	0.52
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	7	0.52
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	8	0.52
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	13	0.52
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	3	0.52
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	3	0.52
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	19	0.52
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	19	0.52
(1,282)	1:156:A:LEU:HG	1:178:A:TRP:HZ3	1	0.52
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	9	0.52
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	7	0.52
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	7	0.52
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	7	0.52
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	6	0.52
(1,246)	1:140:A:ARG:HB2	1:141:A:GLY:H	6	0.52
(1,246)	1:140:A:ARG:HB3	1:141:A:GLY:H	6	0.52
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	10	0.52
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	10	0.52
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	10	0.52
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	10	0.52
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	10	0.52
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	10	0.52
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	10	0.52
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	10	0.52
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	10	0.52
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	3	0.52
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	3	0.52
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	3	0.52
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	3	0.52
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	3	0.52
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	3	0.52
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	11	0.52
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	11	0.52
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	11	0.52
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	11	0.52
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	12	0.52
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	12	0.52
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	17	0.52
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	17	0.52
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	17	0.52
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	16	0.52
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	16	0.52
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	16	0.52
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	5	0.52
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	5	0.52
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	5	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	20	0.52
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	8	0.52
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	15	0.52
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	4	0.52
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	15	0.52
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	2	0.52
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	4	0.52
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	9	0.52
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	17	0.52
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	12	0.52
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	12	0.52
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	12	0.52
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	12	0.52
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	14	0.52
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	14	0.52
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	3	0.52
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	3	0.52
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	3	0.52
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	17	0.51
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	19	0.51
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	20	0.51
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	13	0.51
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	13	0.51
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	13	0.51
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG11	3	0.51
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG12	3	0.51
(1,2245)	1:69:A:VAL:H	1:69:A:VAL:HG13	3	0.51
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	2	0.51
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	2	0.51
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	2	0.51
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD11	17	0.51
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD12	17	0.51
(1,2233)	1:197:A:GLY:H	1:200:A:LEU:HD13	17	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	8	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	8	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	8	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	12	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	12	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	12	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	19	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	19	0.51
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	19	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	12	0.51
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	12	0.51
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	12	0.51
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	12	0.51
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	12	0.51
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	12	0.51
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	10	0.51
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	10	0.51
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	10	0.51
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	10	0.51
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	10	0.51
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	10	0.51
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	16	0.51
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	16	0.51
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	16	0.51
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	16	0.51
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	16	0.51
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	16	0.51
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	16	0.51
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE1	17	0.51
(1,2080)	1:89:A:VAL:HG21	1:124:A:PHE:HE2	17	0.51
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE1	17	0.51
(1,2080)	1:89:A:VAL:HG22	1:124:A:PHE:HE2	17	0.51
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE1	17	0.51
(1,2080)	1:89:A:VAL:HG23	1:124:A:PHE:HE2	17	0.51
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	19	0.51
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	19	0.51
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	19	0.51
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	5	0.51
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	5	0.51
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	5	0.51
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	5	0.51
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	5	0.51
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	5	0.51
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	4	0.51
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	4	0.51
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	4	0.51
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	4	0.51
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	4	0.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	4	0.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	4	0.51
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	4	0.51
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	11	0.51
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	11	0.51
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	11	0.51
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	18	0.51
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	18	0.51
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	18	0.51
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	7	0.51
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	7	0.51
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	7	0.51
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	11	0.51
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	11	0.51
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	11	0.51
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	7	0.51
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	7	0.51
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	7	0.51
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	7	0.51
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	7	0.51
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	7	0.51
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	7	0.51
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	7	0.51
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	7	0.51
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	18	0.51
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	18	0.51
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	18	0.51
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	15	0.51
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	15	0.51
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	15	0.51
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	15	0.51
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	15	0.51
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	15	0.51
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	1	0.51
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	1	0.51
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	1	0.51
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	18	0.51
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	18	0.51
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	18	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	18	0.51
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	18	0.51
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	18	0.51
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	18	0.51
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	18	0.51
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	18	0.51
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	0.51
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	0.51
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	0.51
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	0.51
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	0.51
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	0.51
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	0.51
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	0.51
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	0.51
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	17	0.51
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	17	0.51
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	17	0.51
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	17	0.51
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	17	0.51
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	17	0.51
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	15	0.51
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	15	0.51
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	15	0.51
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	9	0.51
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	9	0.51
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	3	0.51
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	3	0.51
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	3	0.51
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	3	0.51
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	3	0.51
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	3	0.51
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	11	0.51
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	14	0.51
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	6	0.51
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	4	0.51
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	4	0.51
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	4	0.51
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	5	0.51
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	5	0.51
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	5	0.51
(1,1649)	1:29:A:THR:H	1:29:A:THR:HB	4	0.51
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	5	0.51
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	18	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	1	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	1	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	1	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	5	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	5	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	5	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	6	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	6	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	6	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	8	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	8	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	8	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.51
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.51
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	2	0.51
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	19	0.51
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	6	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	6	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	9	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	12	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	14	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	19	0.51
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	20	0.51
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	13	0.51
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	13	0.51
(1,1561)	1:29:A:THR:HG21	1:38:A:LYS:H	17	0.51
(1,1561)	1:29:A:THR:HG22	1:38:A:LYS:H	17	0.51
(1,1561)	1:29:A:THR:HG23	1:38:A:LYS:H	17	0.51
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	6	0.51
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	16	0.51
(1,1558)	1:200:A:LEU:HG	1:201:A:GLY:H	17	0.51
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	6	0.51
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	6	0.51
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	6	0.51
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	9	0.51
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	9	0.51
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	9	0.51
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	2	0.51
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	3	0.51
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	10	0.51
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	12	0.51
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	16	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	3	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	3	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	5	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	5	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	11	0.51
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	11	0.51
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	18	0.51
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	20	0.51
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	20	0.51
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	14	0.51
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	14	0.51
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB2	20	0.51
(1,1492)	1:178:A:TRP:H	1:178:A:TRP:HB3	20	0.51
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	17	0.51
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB2	18	0.51
(1,1490)	1:177:A:ARG:H	1:177:A:ARG:HB3	18	0.51
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	19	0.51
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	19	0.51
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	19	0.51
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	19	0.51
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	6	0.51
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	15	0.51
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	12	0.51
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	16	0.51
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	16	0.51
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	11	0.51
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	11	0.51
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	11	0.51
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	18	0.51
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	17	0.51
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	17	0.51
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	11	0.51
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	11	0.51
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	3	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	11	0.51
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	11	0.51
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	2	0.51
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	15	0.51
(1,1347)	1:117:A:GLY:HA2	1:120:A:ILE:H	3	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	6	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	6	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	6	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	17	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	17	0.51
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1336)	1:114:A:ASN:HA	1:117:A:GLY:H	3	0.51
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	3	0.51
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	11	0.51
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	9	0.51
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	6	0.51
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	6	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	4	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	4	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	15	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	15	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB2	19	0.51
(1,1236)	1:140:A:ARG:H	1:140:A:ARG:HB3	19	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	2	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	2	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	9	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	9	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	17	0.51
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	17	0.51
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	1	0.51
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	9	0.51
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	8	0.51
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	8	0.51
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	8	0.51
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	5	0.51
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	9	0.51
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	15	0.51
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	20	0.51
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	7	0.51
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	7	0.51
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	1	0.51
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	6	0.51
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	13	0.51
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	4	0.51
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	17	0.51
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	1	0.51
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	9	0.51
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	10	0.51
(1,1106)	1:175:A:ASP:H	1:176:A:GLU:H	15	0.51
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	9	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	2	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	2	0.51
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	2	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	18	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	18	0.51
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	18	0.51
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	18	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	19	0.51
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	19	0.51
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	19	0.51
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	19	0.51
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	13	0.51
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	19	0.51
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	3	0.51
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	3	0.51
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	3	0.51
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	13	0.51
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	13	0.51
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	13	0.51
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	2	0.51
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	1	0.51
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	5	0.51
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	7	0.51
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	18	0.51
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	20	0.51
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	20	0.51
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	9	0.51
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	18	0.51
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	19	0.51
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	9	0.51
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	11	0.51
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	13	0.51
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	15	0.51
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	20	0.51
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	18	0.51
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	6	0.51
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	10	0.51
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	20	0.51
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	15	0.51
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	3	0.51
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	6	0.51
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	10	0.51
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	3	0.51
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	19	0.51
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	8	0.51
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	12	0.51
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	3	0.51
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	3	0.51
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	14	0.51
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	20	0.51
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	20	0.51
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	20	0.51
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	20	0.51
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	20	0.51
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	20	0.51
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	6	0.51
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	6	0.51
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	6	0.51
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	6	0.51
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	6	0.51
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	6	0.51
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	14	0.51
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	14	0.51
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	19	0.51
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	19	0.51
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	19	0.51
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	19	0.51
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	19	0.51
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	9	0.51
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	9	0.51
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	20	0.51
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	20	0.51
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	11	0.51
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	11	0.51
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	11	0.51
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	11	0.51
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	11	0.51
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	11	0.51
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	12	0.51
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	12	0.51
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	12	0.51
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	12	0.51
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	12	0.51
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	12	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	7	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	7	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	7	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	7	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	7	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	9	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	9	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	9	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	9	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	9	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	9	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	16	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	16	0.51
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	16	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	16	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	16	0.51
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	16	0.51
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	11	0.51
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	11	0.51
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	12	0.51
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	12	0.51
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	12	0.51
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	12	0.51
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	2	0.51
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	2	0.51
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	2	0.51
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	7	0.51
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	7	0.51
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	7	0.51
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	7	0.51
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	7	0.51
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	7	0.51
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	15	0.51
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	6	0.51
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	6	0.51
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	6	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	5	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	5	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	5	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	14	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	14	0.51
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	6	0.51
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	6	0.51
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	6	0.51
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	6	0.51
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	6	0.51
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	6	0.51
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	10	0.51
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	5	0.51
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	5	0.51
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	13	0.51
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	13	0.51
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	13	0.51
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	13	0.51
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	13	0.51
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	13	0.51
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	13	0.51
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	13	0.51
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	13	0.51
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	17	0.51
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	17	0.51
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	17	0.51
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	1	0.51
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	1	0.51
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	5	0.51
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	5	0.51
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	12	0.51
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	12	0.51
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	17	0.51
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	17	0.51
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	7	0.51
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	7	0.51
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	7	0.51
(1,562)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	9	0.51
(1,562)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	9	0.51
(1,562)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	9	0.51
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	6	0.51
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	6	0.51
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	6	0.51
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	6	0.51
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	6	0.51
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	6	0.51
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	2	0.51
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	2	0.51
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	6	0.51
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	6	0.51
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE1	15	0.51
(1,519)	1:105:A:VAL:HA	1:188:A:PHE:HE2	15	0.51
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	15	0.51
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	8	0.51
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	10	0.51
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	16	0.51
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	20	0.51
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	6	0.51
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	6	0.51
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	6	0.51
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	14	0.51
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	19	0.51
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	19	0.51
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	19	0.51
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	15	0.51
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	15	0.51
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	15	0.51
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	2	0.51
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	2	0.51
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	2	0.51
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	2	0.51
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	2	0.51
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	2	0.51
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	2	0.51
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	2	0.51
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	2	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	5	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	5	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	5	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	5	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	5	0.51
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	5	0.51
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	5	0.51
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	5	0.51
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	5	0.51
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	18	0.51
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD2	13	0.51
(1,380)	1:69:A:VAL:HB	1:70:A:PRO:HD3	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	20	0.51
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	20	0.51
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	3	0.51
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	3	0.51
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	3	0.51
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	3	0.51
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	3	0.51
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	3	0.51
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	4	0.51
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	4	0.51
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	4	0.51
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	4	0.51
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	4	0.51
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	4	0.51
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	10	0.51
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	6	0.51
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	6	0.51
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	9	0.51
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	9	0.51
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	6	0.51
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	18	0.51
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	18	0.51
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	18	0.51
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	18	0.51
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	18	0.51
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	18	0.51
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	18	0.51
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	18	0.51
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	18	0.51
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	12	0.51
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	12	0.51
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	7	0.51
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	7	0.51
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	7	0.51
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	7	0.51
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	7	0.51
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	7	0.51
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	7	0.51
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	7	0.51
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	7	0.51
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	3	0.51
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	3	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	3	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	3	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	3	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	3	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	3	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	3	0.51
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	4	0.51
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	4	0.51
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	4	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	4	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	4	0.51
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	4	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	4	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	4	0.51
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	4	0.51
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	12	0.51
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	12	0.51
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	12	0.51
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	1	0.51
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	1	0.51
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	1	0.51
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	12	0.51
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	12	0.51
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	3	0.51
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	15	0.51
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	14	0.51
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	14	0.51
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	12	0.51
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	12	0.51
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	3	0.51
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	6	0.51
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	20	0.51
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	9	0.51
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	2	0.51
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	2	0.51
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	2	0.5
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	7	0.5
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	10	0.5
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	10	0.5
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	10	0.5
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	11	0.5
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	11	0.5
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	11	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	7	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	7	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	7	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	14	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	14	0.5
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	14	0.5
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	18	0.5
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	18	0.5
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	18	0.5
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	4	0.5
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	4	0.5
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	4	0.5
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	6	0.5
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	6	0.5
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	6	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	2	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	20	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	20	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	20	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	20	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	20	0.5
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	20	0.5
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	5	0.5
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	5	0.5
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	5	0.5
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	6	0.5
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	6	0.5
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	6	0.5
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	6	0.5
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	6	0.5
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	6	0.5
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	14	0.5
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	14	0.5
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	19	0.5
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	19	0.5
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	19	0.5
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	3	0.5
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	3	0.5
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	3	0.5
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	3	0.5
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	3	0.5
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	3	0.5
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	3	0.5
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	17	0.5
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	17	0.5
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	17	0.5
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	17	0.5
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	17	0.5
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	17	0.5
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	10	0.5
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	10	0.5
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	10	0.5
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	20	0.5
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	20	0.5
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	20	0.5
(1,2025)	1:89:A:VAL:HG21	1:90:A:THR:H	16	0.5
(1,2025)	1:89:A:VAL:HG22	1:90:A:THR:H	16	0.5
(1,2025)	1:89:A:VAL:HG23	1:90:A:THR:H	16	0.5
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	13	0.5
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	13	0.5
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	13	0.5
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD11	19	0.5
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD12	19	0.5
(1,1992)	1:48:A:LEU:HB3	1:48:A:LEU:HD13	19	0.5
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	7	0.5
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	7	0.5
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	7	0.5
(1,1946)	1:69:A:VAL:HG21	1:158:A:HIS:HB3	18	0.5
(1,1946)	1:69:A:VAL:HG22	1:158:A:HIS:HB3	18	0.5
(1,1946)	1:69:A:VAL:HG23	1:158:A:HIS:HB3	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	16	0.5
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	16	0.5
(1,1917)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	16	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	1	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	1	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	1	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	1	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	1	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	1	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	1	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	1	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	1	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	2	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	2	0.5
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	2	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	2	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	2	0.5
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	2	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	2	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	2	0.5
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	2	0.5
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	7	0.5
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	7	0.5
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	7	0.5
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	7	0.5
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	7	0.5
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	7	0.5
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	19	0.5
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	19	0.5
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	19	0.5
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	19	0.5
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	19	0.5
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	19	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	2	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	2	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	10	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	10	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	10	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	10	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	13	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	13	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	16	0.5
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	16	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	6	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	6	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	6	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	6	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	6	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	6	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	7	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	7	0.5
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	7	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	7	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	7	0.5
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	7	0.5
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	8	0.5
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	8	0.5
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	8	0.5
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	8	0.5
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	8	0.5
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	8	0.5
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	15	0.5
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	15	0.5
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	1	0.5
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	6	0.5
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	8	0.5
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	13	0.5
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	3	0.5
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	3	0.5
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	3	0.5
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	11	0.5
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	11	0.5
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	5	0.5
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	5	0.5
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	12	0.5
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	12	0.5
(1,1640)	1:61:A:ILE:H	1:62:A:MET:H	8	0.5
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	9	0.5
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	10	0.5
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	10	0.5
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	10	0.5
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	10	0.5
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	14	0.5
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	14	0.5
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	2	0.5
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	2	0.5
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	2	0.5
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	3	0.5
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	3	0.5
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	3	0.5
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	16	0.5
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	2	0.5
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	3	0.5
(1,1598)	1:232:A:LYS:H	1:233:A:GLY:H	18	0.5
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	18	0.5
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	18	0.5
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	18	0.5
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	11	0.5
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	11	0.5
(1,1563)	1:202:A:MET:HB2	1:203:A:GLY:H	11	0.5
(1,1563)	1:202:A:MET:HB3	1:203:A:GLY:H	11	0.5
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	8	0.5
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	2	0.5
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	2	0.5
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	2	0.5
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	16	0.5
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	16	0.5
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	16	0.5
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	7	0.5
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	9	0.5
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1511)	1:185:A:GLY:H	1:186:A:ILE:H	17	0.5
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	6	0.5
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	20	0.5
(1,1495)	1:178:A:TRP:H	1:178:A:TRP:HD1	8	0.5
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	15	0.5
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	15	0.5
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	15	0.5
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	15	0.5
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	9	0.5
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	9	0.5
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	9	0.5
(1,1451)	1:160:A:PHE:H	1:160:A:PHE:HB2	15	0.5
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	5	0.5
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	13	0.5
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	2	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	2	0.5
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	10	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	10	0.5
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	12	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	12	0.5
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	19	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	19	0.5
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	20	0.5
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	20	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	18	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	18	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	18	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	18	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	18	0.5
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	18	0.5
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	1	0.5
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	1	0.5
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	1	0.5
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	17	0.5
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	11	0.5
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	18	0.5
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	18	0.5
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	18	0.5
(1,1333)	1:116:A:TRP:HE1	1:194:A:HIS:HA	12	0.5
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	2	0.5
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	7	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	5	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	5	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	9	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	9	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	9	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	19	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	19	0.5
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	19	0.5
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	10	0.5
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	13	0.5
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	6	0.5
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	8	0.5
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	7	0.5
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	7	0.5
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	17	0.5
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	17	0.5
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	3	0.5
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	3	0.5
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	13	0.5
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	13	0.5
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	3	0.5
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	18	0.5
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	6	0.5
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	5	0.5
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	7	0.5
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	10	0.5
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	11	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	1	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	1	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	1	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	15	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	15	0.5
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	15	0.5
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	1	0.5
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	19	0.5
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	19	0.5
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	12	0.5
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	17	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	5	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	11	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	12	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	17	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	18	0.5
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	20	0.5
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	15	0.5
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	1	0.5
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	10	0.5
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	19	0.5
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	11	0.5
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	12	0.5
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	8	0.5
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	11	0.5
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	5	0.5
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	8	0.5
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	6	0.5
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	1	0.5
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	5	0.5
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	8	0.5
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	6	0.5
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	6	0.5
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	6	0.5
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	5	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	2	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	3	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	4	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	6	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	8	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	9	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	10	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	11	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	12	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	13	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	14	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	16	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	17	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	18	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	19	0.5
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	20	0.5
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	12	0.5
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	12	0.5
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	10	0.5
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	8	0.5
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	10	0.5
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	13	0.5
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	1	0.5
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	6	0.5
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	16	0.5
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	8	0.5
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	8	0.5
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	14	0.5
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	20	0.5
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	20	0.5
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	2	0.5
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	12	0.5
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	18	0.5
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	19	0.5
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	4	0.5
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	19	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	1	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	2	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	3	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	4	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	5	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	12	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	13	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	14	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	15	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	16	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	17	0.5
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	18	0.5
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	17	0.5
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	14	0.5
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	11	0.5
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	14	0.5
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	20	0.5
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	1	0.5
(1,896)	1:18:A:TYR:H	1:19:A:LEU:H	2	0.5
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	13	0.5
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	9	0.5
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	5	0.5
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	5	0.5
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	5	0.5
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	5	0.5
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	5	0.5
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	5	0.5
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	5	0.5
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	5	0.5
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	5	0.5
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	6	0.5
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	18	0.5
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	11	0.5
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	11	0.5
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	19	0.5
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	19	0.5
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	19	0.5
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	19	0.5
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	19	0.5
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	19	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	1	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	1	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	1	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	1	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	1	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	1	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	5	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	5	0.5
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	5	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	5	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	5	0.5
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	5	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	15	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	15	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	15	0.5
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	15	0.5
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	4	0.5
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	20	0.5
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	19	0.5
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG2	19	0.5
(1,690)	1:63:A:GLN:H	1:63:A:GLN:HG3	19	0.5
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	15	0.5
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	15	0.5
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	5	0.5
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	5	0.5
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	14	0.5
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	14	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	14	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	1	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	1	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	1	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	19	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	19	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	19	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	20	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	20	0.5
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	20	0.5
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	7	0.5
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	7	0.5
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	12	0.5
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	12	0.5
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	18	0.5
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	18	0.5
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	18	0.5
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	18	0.5
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	18	0.5
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	18	0.5
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	12	0.5
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	12	0.5
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	12	0.5
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	3	0.5
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	3	0.5
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	8	0.5
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	8	0.5
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	11	0.5
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	11	0.5
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	13	0.5
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	13	0.5
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	13	0.5
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	13	0.5
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	13	0.5
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	13	0.5
(1,543)	1:131:A:THR:HB	1:132:A:ALA:H	4	0.5
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	1	0.5
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	18	0.5
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	15	0.5
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	3	0.5
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	18	0.5
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	14	0.5
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	14	0.5
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	14	0.5
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	20	0.5
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	20	0.5
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	20	0.5
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	15	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	1	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	1	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	1	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	11	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	11	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	11	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	13	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	13	0.5
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	13	0.5
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	1	0.5
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	4	0.5
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	4	0.5
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	4	0.5
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	4	0.5
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	4	0.5
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	4	0.5
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	4	0.5
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	11	0.5
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	4	0.5
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	4	0.5
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	3	0.5
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	3	0.5
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	3	0.5
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	16	0.5
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	18	0.5
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	18	0.5
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	1	0.5
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	13	0.5
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	16	0.5
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	10	0.5
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	10	0.5
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	10	0.5
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	15	0.5
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	15	0.5
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	15	0.5
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	1	0.5
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	1	0.5
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	1	0.5
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	1	0.5
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	1	0.5
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	1	0.5
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	1	0.5
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	1	0.5
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	1	0.5
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	1	0.5
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	5	0.5
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	5	0.5
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	5	0.5
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	6	0.5
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	6	0.5
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	6	0.5
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	6	0.5
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	6	0.5
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	6	0.5
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	18	0.5
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	18	0.5
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	18	0.5
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	18	0.5
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	11	0.5
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	11	0.5
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	11	0.5
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	18	0.5
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	6	0.5
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG12	3	0.5
(1,95)	1:186:A:ILE:HA	1:186:A:ILE:HG13	3	0.5
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	9	0.5
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	12	0.5
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	18	0.5
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	1	0.5
(1,50)	1:45:A:PHE:HE1	1:214:A:PRO:HG2	13	0.5
(1,50)	1:45:A:PHE:HE2	1:214:A:PRO:HG2	13	0.5
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	11	0.5
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	10	0.5
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	10	0.5
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	15	0.5
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	15	0.5
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	4	0.49
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	5	0.49
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	18	0.49
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	18	0.49
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	18	0.49
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	8	0.49
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	8	0.49
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	8	0.49
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	17	0.49
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	17	0.49
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	17	0.49
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	7	0.49
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	7	0.49
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	7	0.49
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	9	0.49
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	9	0.49
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	9	0.49
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	1	0.49
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	1	0.49
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	1	0.49
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	13	0.49
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	13	0.49
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	13	0.49
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	5	0.49
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	5	0.49
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	5	0.49
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	10	0.49
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	10	0.49
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	10	0.49
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	12	0.49
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	12	0.49
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	12	0.49
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	12	0.49
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	12	0.49
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	14	0.49
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	14	0.49
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	14	0.49
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	9	0.49
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	9	0.49
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	9	0.49
(1,2031)	1:105:A:VAL:HG11	1:109:A:VAL:H	5	0.49
(1,2031)	1:105:A:VAL:HG12	1:109:A:VAL:H	5	0.49
(1,2031)	1:105:A:VAL:HG13	1:109:A:VAL:H	5	0.49
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	12	0.49
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	12	0.49
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	12	0.49
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	20	0.49
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.49
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	20	0.49
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	20	0.49
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	20	0.49
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	20	0.49
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	20	0.49
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	20	0.49
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	20	0.49
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	20	0.49
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	20	0.49
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	20	0.49
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	10	0.49
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	10	0.49
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	10	0.49
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	8	0.49
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	8	0.49
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	8	0.49
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	8	0.49
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	8	0.49
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	8	0.49
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	19	0.49
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	19	0.49
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	19	0.49
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	19	0.49
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	19	0.49
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	19	0.49
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	19	0.49
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	19	0.49
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	5	0.49
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	5	0.49
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	5	0.49
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	1	0.49
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	1	0.49
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	1	0.49
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	1	0.49
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	1	0.49
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	1	0.49
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	2	0.49
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	2	0.49
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	2	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	7	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	7	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	7	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	7	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	7	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	7	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	7	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	7	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	7	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	17	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	17	0.49
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	17	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	17	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	17	0.49
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	17	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	17	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	17	0.49
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	17	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	11	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	11	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	11	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	11	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	11	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	11	0.49
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	11	0.49
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	11	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	18	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	18	0.49
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	18	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	18	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	18	0.49
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	18	0.49
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	18	0.49
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	18	0.49
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	18	0.49
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	18	0.49
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	18	0.49
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	18	0.49
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	18	0.49
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	18	0.49
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	18	0.49
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	18	0.49
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	18	0.49
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	18	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	20	0.49
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	20	0.49
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	9	0.49
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	9	0.49
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	7	0.49
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	2	0.49
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	2	0.49
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	2	0.49
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	13	0.49
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	12	0.49
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	9	0.49
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	9	0.49
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	9	0.49
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	16	0.49
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	17	0.49
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	8	0.49
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	8	0.49
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	8	0.49
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	8	0.49
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	14	0.49
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	14	0.49
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	14	0.49
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	11	0.49
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	12	0.49
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	12	0.49
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	12	0.49
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	1	0.49
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	8	0.49
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	8	0.49
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	8	0.49
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	18	0.49
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	18	0.49
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	15	0.49
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	15	0.49
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	15	0.49
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	9	0.49
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	9	0.49
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	9	0.49
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	9	0.49
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE1	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE2	1	0.49
(1,1473)	1:92:A:ARG:H	1:135:A:MET:HE3	1	0.49
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	8	0.49
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	20	0.49
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	6	0.49
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	6	0.49
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	14	0.49
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	14	0.49
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	14	0.49
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	6	0.49
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	6	0.49
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	6	0.49
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	8	0.49
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	8	0.49
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	8	0.49
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	15	0.49
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	15	0.49
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	15	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	4	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	10	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	14	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	16	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	16	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	16	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	16	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	16	0.49
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	4	0.49
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	20	0.49
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	17	0.49
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	11	0.49
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	11	0.49
(1,1335)	1:116:A:TRP:HB2	1:117:A:GLY:H	15	0.49
(1,1335)	1:116:A:TRP:HB3	1:117:A:GLY:H	15	0.49
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	11	0.49
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	9	0.49
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	18	0.49
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	3	0.49
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	15	0.49
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	2	0.49
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	2	0.49
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	3	0.49
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	3	0.49
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	10	0.49
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	10	0.49
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	4	0.49
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	12	0.49
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	18	0.49
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	3	0.49
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	13	0.49
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	20	0.49
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	16	0.49
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	16	0.49
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	16	0.49
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	2	0.49
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	7	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	2	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	4	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	7	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	8	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	10	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	15	0.49
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	19	0.49
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	5	0.49
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	16	0.49
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	19	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	1	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	4	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	9	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	12	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	13	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	14	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	15	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	16	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	18	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	19	0.49
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	20	0.49
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	5	0.49
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	8	0.49
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	3	0.49
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	12	0.49
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	12	0.49
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	12	0.49
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	7	0.49
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	13	0.49
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	1	0.49
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	11	0.49
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	16	0.49
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	7	0.49
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	7	0.49
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	7	0.49
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	12	0.49
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	11	0.49
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	14	0.49
(1,965)	1:11:A:GLN:H	1:12:A:TRP:H	6	0.49
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	11	0.49
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	2	0.49
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	8	0.49
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	9	0.49
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	17	0.49
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	10	0.49
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	7	0.49
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	15	0.49
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	17	0.49
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	1	0.49
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	1	0.49
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	11	0.49
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	5	0.49
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	7	0.49
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	1	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	1	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	1	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	1	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	1	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	1	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	8	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	8	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	8	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	8	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	8	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	8	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	16	0.49
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	16	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	16	0.49
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	16	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	16	0.49
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	16	0.49
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	11	0.49
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	15	0.49
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	15	0.49
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	15	0.49
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	13	0.49
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	13	0.49
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	13	0.49
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	7	0.49
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	14	0.49
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	14	0.49
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	7	0.49
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	7	0.49
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	7	0.49
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	7	0.49
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	7	0.49
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	7	0.49
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	15	0.49
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	15	0.49
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	15	0.49
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	15	0.49
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	15	0.49
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	15	0.49
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	7	0.49
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	7	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	7	0.49
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	19	0.49
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	19	0.49
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	19	0.49
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	19	0.49
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	4	0.49
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	4	0.49
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	4	0.49
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	4	0.49
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	4	0.49
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	4	0.49
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	4	0.49
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	2	0.49
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	2	0.49
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	1	0.49
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	1	0.49
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	1	0.49
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	3	0.49
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	3	0.49
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	3	0.49
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	18	0.49
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	18	0.49
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	18	0.49
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	18	0.49
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	18	0.49
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	18	0.49
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	14	0.49
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	14	0.49
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	14	0.49
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	14	0.49
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	14	0.49
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	14	0.49
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	9	0.49
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	9	0.49
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	18	0.49
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	18	0.49
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	13	0.49
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	13	0.49
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	9	0.49
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	9	0.49
(1,592)	1:216:A:TYR:HB2	1:217:A:GLY:H	13	0.49
(1,592)	1:216:A:TYR:HB3	1:217:A:GLY:H	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	9	0.49
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	9	0.49
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	6	0.49
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	19	0.49
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	2	0.49
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	2	0.49
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	2	0.49
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	2	0.49
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	2	0.49
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	2	0.49
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	7	0.49
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	7	0.49
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	7	0.49
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	8	0.49
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	8	0.49
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	8	0.49
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	13	0.49
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	13	0.49
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	13	0.49
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	4	0.49
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	6	0.49
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	5	0.49
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	7	0.49
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	11	0.49
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	14	0.49
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	1	0.49
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	1	0.49
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	1	0.49
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	3	0.49
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	3	0.49
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	3	0.49
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	18	0.49
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	18	0.49
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	18	0.49
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	4	0.49
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	4	0.49
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	4	0.49
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	10	0.49
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	4	0.49
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	4	0.49
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	4	0.49
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	12	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	12	0.49
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	12	0.49
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	20	0.49
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	20	0.49
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	20	0.49
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	3	0.49
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	3	0.49
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	3	0.49
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	18	0.49
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	18	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	10	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	10	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	10	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	10	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	10	0.49
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	10	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	11	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	11	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	11	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	11	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	11	0.49
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	11	0.49
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	11	0.49
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	11	0.49
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	11	0.49
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	7	0.49
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	7	0.49
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	7	0.49
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD1	5	0.49
(1,346)	1:234:A:ILE:HD11	1:238:A:TYR:HD2	5	0.49
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD1	5	0.49
(1,346)	1:234:A:ILE:HD12	1:238:A:TYR:HD2	5	0.49
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD1	5	0.49
(1,346)	1:234:A:ILE:HD13	1:238:A:TYR:HD2	5	0.49
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	18	0.49
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	18	0.49
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	1	0.49
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	1	0.49
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	1	0.49
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	1	0.49
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	1	0.49
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	5	0.49
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	5	0.49
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	5	0.49
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	11	0.49
(1,263)	1:103:A:ILE:H	1:103:A:ILE:HB	15	0.49
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE1	8	0.49
(1,255)	1:136:A:ILE:HD11	1:172:A:PHE:HE2	8	0.49
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE1	8	0.49
(1,255)	1:136:A:ILE:HD12	1:172:A:PHE:HE2	8	0.49
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE1	8	0.49
(1,255)	1:136:A:ILE:HD13	1:172:A:PHE:HE2	8	0.49
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	4	0.49
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	4	0.49
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	4	0.49
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	4	0.49
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	4	0.49
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	4	0.49
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	4	0.49
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	4	0.49
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	4	0.49
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	3	0.49
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	3	0.49
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	3	0.49
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	3	0.49
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	5	0.49
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	5	0.49
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	5	0.49
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	5	0.49
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	5	0.49
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	5	0.49
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	5	0.49
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	5	0.49
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	5	0.49
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	13	0.49
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	13	0.49
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	13	0.49
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	4	0.49
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	4	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	4	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	4	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	4	0.49
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	13	0.49
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	13	0.49
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	13	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	13	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	13	0.49
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	13	0.49
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	10	0.49
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	10	0.49
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	10	0.49
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	9	0.49
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	6	0.49
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	17	0.49
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	18	0.49
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	11	0.49
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	12	0.49
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	19	0.49
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	18	0.49
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	12	0.49
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	13	0.49
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	8	0.48
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	9	0.48
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	14	0.48
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	18	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	2	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	2	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	2	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	20	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	20	0.48
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	20	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	4	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	4	0.48
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	4	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	10	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	10	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	10	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	15	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	15	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG21	20	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG22	20	0.48
(1,2213)	1:109:A:VAL:H	1:109:A:VAL:HG23	20	0.48
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	11	0.48
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	11	0.48
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	11	0.48
(1,2169)	1:89:A:VAL:HG11	1:90:A:THR:H	16	0.48
(1,2169)	1:89:A:VAL:HG12	1:90:A:THR:H	16	0.48
(1,2169)	1:89:A:VAL:HG13	1:90:A:THR:H	16	0.48
(1,2169)	1:89:A:VAL:HG21	1:90:A:THR:H	16	0.48
(1,2169)	1:89:A:VAL:HG22	1:90:A:THR:H	16	0.48
(1,2169)	1:89:A:VAL:HG23	1:90:A:THR:H	16	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	1	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	1	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	1	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	1	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	1	0.48
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	1	0.48
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	20	0.48
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	20	0.48
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	20	0.48
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	13	0.48
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	13	0.48
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	13	0.48
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	13	0.48
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	13	0.48
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	13	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	10	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	10	0.48
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	10	0.48
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	10	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	10	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	10	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	15	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	15	0.48
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	15	0.48
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	15	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	15	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	15	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	20	0.48
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	20	0.48
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	20	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	20	0.48
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	20	0.48
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	20	0.48
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	20	0.48
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	20	0.48
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	2	0.48
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	2	0.48
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	2	0.48
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	6	0.48
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	6	0.48
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	6	0.48
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	6	0.48
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	6	0.48
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	6	0.48
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	8	0.48
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	8	0.48
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	8	0.48
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	14	0.48
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	14	0.48
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	14	0.48
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	14	0.48
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	14	0.48
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	14	0.48
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	14	0.48
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	14	0.48
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	14	0.48
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	19	0.48
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	19	0.48
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	19	0.48
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	9	0.48
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	9	0.48
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	9	0.48
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	13	0.48
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	13	0.48
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	13	0.48
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	13	0.48
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	13	0.48
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	13	0.48
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	1	0.48
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	1	0.48
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	1	0.48
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	1	0.48
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	1	0.48
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	9	0.48
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	9	0.48
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	9	0.48
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	13	0.48
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	13	0.48
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	13	0.48
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	13	0.48
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	13	0.48
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	13	0.48
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	13	0.48
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	13	0.48
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	13	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	6	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	6	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	6	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	18	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	18	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	18	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	20	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	20	0.48
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	20	0.48
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	4	0.48
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	4	0.48
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	4	0.48
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	4	0.48
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	4	0.48
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	4	0.48
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	5	0.48
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	5	0.48
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	5	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	3	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	3	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	3	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	3	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	3	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	3	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	3	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	3	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	9	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	9	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	9	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	9	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	9	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	9	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	9	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	9	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	9	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	11	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	11	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	11	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	11	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	11	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	11	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	11	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	11	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	11	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	16	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	16	0.48
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	16	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	16	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	16	0.48
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	16	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	16	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	16	0.48
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	16	0.48
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	10	0.48
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	10	0.48
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	10	0.48
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	10	0.48
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	10	0.48
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	10	0.48
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	10	0.48
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	10	0.48
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	10	0.48
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	14	0.48
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	14	0.48
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	14	0.48
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	14	0.48
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	14	0.48
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD21	5	0.48
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD22	5	0.48
(1,1802)	1:91:A:TYR:HB2	1:113:A:LEU:HD23	5	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	4	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	4	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	7	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	7	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	19	0.48
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	19	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	19	0.48
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	19	0.48
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	9	0.48
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	3	0.48
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	4	0.48
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	7	0.48
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	9	0.48
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	18	0.48
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	18	0.48
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB2	9	0.48
(1,1732)	1:74:A:GLU:H	1:74:A:GLU:HB3	9	0.48
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	4	0.48
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	19	0.48
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	6	0.48
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	6	0.48
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG2	5	0.48
(1,1671)	1:43:A:GLN:H	1:43:A:GLN:HG3	5	0.48
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	17	0.48
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	19	0.48
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	20	0.48
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	13	0.48
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	20	0.48
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	15	0.48
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	7	0.48
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	17	0.48
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	17	0.48
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	4	0.48
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	4	0.48
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	4	0.48
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	20	0.48
(1,1537)	1:194:A:HIS:H	1:196:A:LEU:H	4	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	12	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	12	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	13	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	13	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	14	0.48
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	14	0.48
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	13	0.48
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	13	0.48
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	13	0.48
(1,1513)	1:184:A:LEU:HB2	1:185:A:GLY:H	16	0.48
(1,1513)	1:184:A:LEU:HB3	1:185:A:GLY:H	16	0.48
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	2	0.48
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	2	0.48
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	19	0.48
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	4	0.48
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	4	0.48
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	14	0.48
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	14	0.48
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	1	0.48
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	1	0.48
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	1	0.48
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	5	0.48
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	16	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	2	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	6	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	13	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	13	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	13	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	13	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	13	0.48
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	13	0.48
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	5	0.48
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	4	0.48
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	4	0.48
(1,1257)	1:97:A:THR:HB	1:99:A:ASP:H	16	0.48
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	10	0.48
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	7	0.48
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	7	0.48
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	1	0.48
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	1	0.48
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	6	0.48
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	6	0.48
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	20	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	20	0.48
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	17	0.48
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	17	0.48
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	17	0.48
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	14	0.48
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	14	0.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	3	0.48
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	3	0.48
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	3	0.48
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	3	0.48
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	6	0.48
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	6	0.48
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	4	0.48
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	4	0.48
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	7	0.48
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	16	0.48
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	10	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	3	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	4	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	5	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	6	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	8	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	9	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	14	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	15	0.48
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	19	0.48
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	4	0.48
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	10	0.48
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	10	0.48
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	10	0.48
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	10	0.48
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	16	0.48
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	8	0.48
(1,1158)	1:231:A:ILE:H	1:232:A:LYS:H	9	0.48
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	17	0.48
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	2	0.48
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	14	0.48
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	17	0.48
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	4	0.48
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	2	0.48
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	6	0.48
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	10	0.48
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	1	0.48
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	18	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	6	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	6	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	6	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	13	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	13	0.48
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	13	0.48
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	2	0.48
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	8	0.48
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	4	0.48
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	18	0.48
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	3	0.48
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	3	0.48
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	3	0.48
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	20	0.48
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	20	0.48
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	20	0.48
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	3	0.48
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	10	0.48
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	19	0.48
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	2	0.48
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	12	0.48
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	14	0.48
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	13	0.48
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	20	0.48
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	19	0.48
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	11	0.48
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	14	0.48
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	11	0.48
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	2	0.48
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	14	0.48
(1,898)	1:20:A:LYS:H	1:21:A:ARG:H	15	0.48
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	8	0.48
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	19	0.48
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	3	0.48
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	5	0.48
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	7	0.48
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	9	0.48
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	14	0.48
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	10	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	10	0.48
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	10	0.48
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	12	0.48
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	12	0.48
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	6	0.48
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	6	0.48
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	4	0.48
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	4	0.48
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	4	0.48
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	4	0.48
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	4	0.48
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	4	0.48
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	15	0.48
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	15	0.48
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	15	0.48
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	15	0.48
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	15	0.48
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	15	0.48
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	17	0.48
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	17	0.48
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	17	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	17	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	17	0.48
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	17	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	10	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	10	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	10	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	10	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	10	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	10	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	15	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	15	0.48
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	15	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	15	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	15	0.48
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	15	0.48
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	17	0.48
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	17	0.48
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	17	0.48
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	9	0.48
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	9	0.48
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	14	0.48
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	14	0.48
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	14	0.48
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	7	0.48
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	1	0.48
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	1	0.48
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	1	0.48
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	5	0.48
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	5	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	3	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	3	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	3	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	7	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	7	0.48
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	7	0.48
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	20	0.48
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	20	0.48
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	17	0.48
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	17	0.48
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	17	0.48
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	16	0.48
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	16	0.48
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	2	0.48
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	2	0.48
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	2	0.48
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	2	0.48
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	2	0.48
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	2	0.48
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	3	0.48
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	3	0.48
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	3	0.48
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	15	0.48
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	15	0.48
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	15	0.48
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	7	0.48
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	20	0.48
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	20	0.48
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	20	0.48
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	20	0.48
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	20	0.48
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	20	0.48
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	7	0.48
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	18	0.48
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	18	0.48
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	18	0.48
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	4	0.48
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	4	0.48
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	4	0.48
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	15	0.48
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	15	0.48
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	15	0.48
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	5	0.48
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	5	0.48
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	5	0.48
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	19	0.48
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	19	0.48
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	18	0.48
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	11	0.48
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	12	0.48
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	12	0.48
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	12	0.48
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	12	0.48
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	12	0.48
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	12	0.48
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE1	18	0.48
(1,201)	1:42:A:MET:HE1	1:46:A:PHE:HE2	18	0.48
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE1	18	0.48
(1,201)	1:42:A:MET:HE2	1:46:A:PHE:HE2	18	0.48
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE1	18	0.48
(1,201)	1:42:A:MET:HE3	1:46:A:PHE:HE2	18	0.48
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	18	0.48
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	18	0.48
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	18	0.48
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE1	19	0.48
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE2	19	0.48
(1,162)	1:135:A:MET:HB2	1:135:A:MET:HE3	19	0.48
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE1	19	0.48
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE2	19	0.48
(1,162)	1:135:A:MET:HB3	1:135:A:MET:HE3	19	0.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	3	0.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	3	0.48
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	3	0.48
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	1	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	1	0.48
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	1	0.48
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	2	0.48
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	2	0.48
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	2	0.48
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	2	0.48
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	1	0.48
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	1	0.48
(1,110)	1:110:A:SER:H	1:110:A:SER:HB3	5	0.48
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	1	0.48
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	13	0.48
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	14	0.48
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	19	0.48
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	1	0.48
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	13	0.48
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	20	0.48
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	8	0.48
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	5	0.48
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	14	0.48
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	7	0.48
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	1	0.47
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	6	0.47
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	17	0.47
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	17	0.47
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	17	0.47
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	16	0.47
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	16	0.47
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	16	0.47
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	13	0.47
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	13	0.47
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	13	0.47
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	1	0.47
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	1	0.47
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	1	0.47
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	1	0.47
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	1	0.47
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	1	0.47
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	13	0.47
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	13	0.47
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	13	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	7	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	7	0.47
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	7	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	7	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	7	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	9	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	9	0.47
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	9	0.47
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	9	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	9	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	9	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	16	0.47
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	16	0.47
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	16	0.47
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	16	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	16	0.47
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	16	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	2	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	2	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	2	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	18	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	18	0.47
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	18	0.47
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	2	0.47
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	2	0.47
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	2	0.47
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	2	0.47
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	2	0.47
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	2	0.47
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	2	0.47
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	4	0.47
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	4	0.47
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	4	0.47
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	4	0.47
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	4	0.47
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	4	0.47
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	14	0.47
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	14	0.47
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	14	0.47
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	14	0.47
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	14	0.47
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	14	0.47
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	14	0.47
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	14	0.47
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	15	0.47
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	15	0.47
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	15	0.47
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	3	0.47
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	3	0.47
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	3	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	4	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	4	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	4	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	5	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	5	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	5	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	18	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	18	0.47
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	18	0.47
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	5	0.47
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	5	0.47
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	5	0.47
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	5	0.47
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	5	0.47
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	5	0.47
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	13	0.47
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	13	0.47
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	13	0.47
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	13	0.47
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	13	0.47
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	13	0.47
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	8	0.47
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	8	0.47
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	8	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	16	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	16	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	16	0.47
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	16	0.47
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	16	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	16	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	20	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	20	0.47
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	20	0.47
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	20	0.47
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	20	0.47
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	20	0.47
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	10	0.47
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	10	0.47
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	10	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	1	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	1	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	1	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	1	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	1	0.47
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	1	0.47
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	1	0.47
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	1	0.47
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	1	0.47
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	17	0.47
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	17	0.47
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	17	0.47
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	17	0.47
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	17	0.47
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	17	0.47
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	17	0.47
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	17	0.47
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	17	0.47
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	8	0.47
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	8	0.47
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	8	0.47
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	7	0.47
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	7	0.47
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	7	0.47
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	7	0.47
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	7	0.47
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	7	0.47
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	7	0.47
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	7	0.47
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	7	0.47
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	12	0.47
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	12	0.47
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	12	0.47
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	12	0.47
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	12	0.47
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	12	0.47
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	12	0.47
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	12	0.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	12	0.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	12	0.47
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	12	0.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	12	0.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	12	0.47
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	12	0.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	12	0.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	12	0.47
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	12	0.47
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	19	0.47
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	19	0.47
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	19	0.47
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	19	0.47
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	19	0.47
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	19	0.47
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	12	0.47
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	12	0.47
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	12	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	5	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	5	0.47
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	5	0.47
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	18	0.47
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	1	0.47
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE1	1	0.47
(1,1740)	1:207:A:ASP:H	1:213:A:TYR:HE2	1	0.47
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB2	17	0.47
(1,1692)	1:53:A:MET:H	1:53:A:MET:HB3	17	0.47
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	3	0.47
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	3	0.47
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	3	0.47
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	14	0.47
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	14	0.47
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	14	0.47
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	5	0.47
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	17	0.47
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	18	0.47
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	13	0.47
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	13	0.47
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	19	0.47
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	19	0.47
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	19	0.47
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	8	0.47
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	17	0.47
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	2	0.47
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	8	0.47
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	14	0.47
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	14	0.47
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	14	0.47
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	20	0.47
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	20	0.47
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	16	0.47
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	9	0.47
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	13	0.47
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	13	0.47
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	19	0.47
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	19	0.47
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	6	0.47
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	11	0.47
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	11	0.47
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	11	0.47
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	11	0.47
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	5	0.47
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	14	0.47
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	1	0.47
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	1	0.47
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	18	0.47
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	18	0.47
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	5	0.47
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	5	0.47
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	5	0.47
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	17	0.47
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	19	0.47
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	19	0.47
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	19	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	20	0.47
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	20	0.47
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	19	0.47
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	19	0.47
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	15	0.47
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	1	0.47
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	5	0.47
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	5	0.47
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	14	0.47
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	18	0.47
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	10	0.47
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	12	0.47
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	3	0.47
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	3	0.47
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	9	0.47
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	9	0.47
(1,1318)	1:115:A:MET:H	1:115:A:MET:HB3	12	0.47
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	1	0.47
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	4	0.47
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	12	0.47
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	12	0.47
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	19	0.47
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	19	0.47
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	12	0.47
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	12	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	7	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	7	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	12	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	12	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	18	0.47
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	18	0.47
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	7	0.47
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	7	0.47
(1,1180)	1:238:A:TYR:H	1:239:A:GLY:H	11	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	1	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	2	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	7	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	10	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	11	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	16	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	17	0.47
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	20	0.47
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	12	0.47
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	18	0.47
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	4	0.47
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	13	0.47
(1,1169)	1:233:A:GLY:H	1:235:A:GLN:H	17	0.47
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	20	0.47
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	20	0.47
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	7	0.47
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	15	0.47
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	20	0.47
(1,1099)	1:174:A:GLU:H	1:175:A:ASP:H	17	0.47
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	2	0.47
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	2	0.47
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	2	0.47
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	9	0.47
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	9	0.47
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	9	0.47
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	7	0.47
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	7	0.47
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	7	0.47
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	10	0.47
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	14	0.47
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	10	0.47
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	14	0.47
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	10	0.47
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	12	0.47
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	12	0.47
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	17	0.47
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	17	0.47
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	17	0.47
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	2	0.47
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	1	0.47
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	7	0.47
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	2	0.47
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	9	0.47
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	18	0.47
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	20	0.47
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	5	0.47
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	1	0.47
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	18	0.47
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	4	0.47
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	11	0.47
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	16	0.47
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	7	0.47
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	4	0.47
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	2	0.47
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	17	0.47
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	4	0.47
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	5	0.47
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	4	0.47
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	10	0.47
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	20	0.47
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	14	0.47
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	14	0.47
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	13	0.47
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	20	0.47
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	8	0.47
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	16	0.47
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	8	0.47
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	1	0.47
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	1	0.47
(1,848)	1:222:A:GLN:HB2	1:223:A:ASN:H	17	0.47
(1,848)	1:222:A:GLN:HB3	1:223:A:ASN:H	17	0.47
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	18	0.47
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	18	0.47
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	18	0.47
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	8	0.47
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	8	0.47
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	8	0.47
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	13	0.47
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	13	0.47
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	10	0.47
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	10	0.47
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	13	0.47
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	13	0.47
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	15	0.47
(1,806)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	15	0.47
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	15	0.47
(1,806)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	15	0.47
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	15	0.47
(1,806)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	15	0.47
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	5	0.47
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	5	0.47
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	5	0.47
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	5	0.47
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	5	0.47
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	5	0.47
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	14	0.47
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	14	0.47
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	14	0.47
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	14	0.47
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	14	0.47
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	2	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	1	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	1	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	1	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	1	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	9	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	9	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	9	0.47
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	9	0.47
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	3	0.47
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	9	0.47
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	10	0.47
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	10	0.47
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	8	0.47
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	8	0.47
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	8	0.47
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	5	0.47
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	5	0.47
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	5	0.47
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	10	0.47
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	10	0.47
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	10	0.47
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	15	0.47
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	15	0.47
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	15	0.47
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	20	0.47
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	20	0.47
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	20	0.47
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	3	0.47
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	3	0.47
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	6	0.47
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	6	0.47
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	9	0.47
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	9	0.47
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	9	0.47
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	1	0.47
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	1	0.47
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	1	0.47
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	2	0.47
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	2	0.47
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	1	0.47
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	1	0.47
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	3	0.47
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	20	0.47
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	20	0.47
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	20	0.47
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	4	0.47
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	6	0.47
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	17	0.47
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	19	0.47
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	5	0.47
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	5	0.47
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	5	0.47
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	10	0.47
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	10	0.47
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	10	0.47
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	15	0.47
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	15	0.47
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	15	0.47
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	20	0.47
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	20	0.47
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	20	0.47
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	15	0.47
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	10	0.47
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	10	0.47
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	11	0.47
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	11	0.47
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	11	0.47
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	11	0.47
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	19	0.47
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	19	0.47
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	19	0.47
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	19	0.47
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	14	0.47
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	9	0.47
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	9	0.47
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	9	0.47
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	9	0.47
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	9	0.47
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	9	0.47
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	4	0.47
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	4	0.47
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	5	0.47
(1,292)	1:18:A:TYR:H	1:18:A:TYR:HB3	15	0.47
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	12	0.47
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	12	0.47
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	1	0.47
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	1	0.47
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	14	0.47
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	14	0.47
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	14	0.47
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	9	0.47
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	9	0.47
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	9	0.47
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	9	0.47
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	9	0.47
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	9	0.47
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	9	0.47
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	9	0.47
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	9	0.47
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	7	0.47
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	7	0.47
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	15	0.47
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	15	0.47
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	15	0.47
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	15	0.47
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	15	0.47
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	15	0.47
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE1	15	0.47
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE2	15	0.47
(1,175)	1:116:A:TRP:HH2	1:202:A:MET:HE3	15	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	2	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	2	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	2	0.47
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	2	0.47
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	2	0.47
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	2	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	10	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	10	0.47
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	10	0.47
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	10	0.47
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	10	0.47
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	4	0.47
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	4	0.47
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	4	0.47
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	4	0.47
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	17	0.47
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	2	0.47
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	10	0.47
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	3	0.47
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	3	0.47
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	13	0.46
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	19	0.46
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	19	0.46
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	19	0.46
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	5	0.46
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	5	0.46
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	5	0.46
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	4	0.46
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	4	0.46
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	4	0.46
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	15	0.46
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	15	0.46
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	15	0.46
(1,2163)	1:72:A:VAL:HG11	1:73:A:ALA:H	17	0.46
(1,2163)	1:72:A:VAL:HG12	1:73:A:ALA:H	17	0.46
(1,2163)	1:72:A:VAL:HG13	1:73:A:ALA:H	17	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	5	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	5	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	5	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	5	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	5	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	5	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	14	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	14	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	14	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	14	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	14	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	14	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	17	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	17	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	17	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	17	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	17	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	18	0.46
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	18	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	18	0.46
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	18	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	18	0.46
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	18	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	1	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	1	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	1	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	10	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	10	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	10	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	11	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	11	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	11	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	12	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	12	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	12	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	13	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	13	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	13	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	16	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	16	0.46
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	16	0.46
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	10	0.46
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	10	0.46
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	10	0.46
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	10	0.46
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	10	0.46
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	10	0.46
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	10	0.46
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	1	0.46
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	1	0.46
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	1	0.46
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	15	0.46
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	15	0.46
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	15	0.46
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	15	0.46
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	15	0.46
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	10	0.46
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	10	0.46
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	10	0.46
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	10	0.46
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	10	0.46
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	10	0.46
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	10	0.46
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	10	0.46
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	10	0.46
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD21	17	0.46
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD22	17	0.46
(1,2058)	1:42:A:MET:HE1	1:48:A:LEU:HD23	17	0.46
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD21	17	0.46
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD22	17	0.46
(1,2058)	1:42:A:MET:HE2	1:48:A:LEU:HD23	17	0.46
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD21	17	0.46
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD22	17	0.46
(1,2058)	1:42:A:MET:HE3	1:48:A:LEU:HD23	17	0.46
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	3	0.46
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	3	0.46
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	3	0.46
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	12	0.46
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	12	0.46
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	12	0.46
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	18	0.46
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	18	0.46
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	18	0.46
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	11	0.46
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	11	0.46
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	11	0.46
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	10	0.46
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	10	0.46
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	10	0.46
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	15	0.46
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	15	0.46
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	15	0.46
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	4	0.46
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	4	0.46
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	4	0.46
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	4	0.46
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	4	0.46
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	9	0.46
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	9	0.46
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	9	0.46
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	9	0.46
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	9	0.46
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	9	0.46
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	16	0.46
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	16	0.46
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	16	0.46
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	16	0.46
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	16	0.46
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	16	0.46
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	18	0.46
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	18	0.46
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	18	0.46
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	18	0.46
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	18	0.46
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	18	0.46
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	12	0.46
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	12	0.46
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	12	0.46
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	2	0.46
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	2	0.46
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	2	0.46
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG21	8	0.46
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG22	8	0.46
(1,1936)	1:97:A:THR:HG21	1:105:A:VAL:HG23	8	0.46
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG21	8	0.46
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG22	8	0.46
(1,1936)	1:97:A:THR:HG22	1:105:A:VAL:HG23	8	0.46
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG21	8	0.46
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG22	8	0.46
(1,1936)	1:97:A:THR:HG23	1:105:A:VAL:HG23	8	0.46
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD21	10	0.46
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD22	10	0.46
(1,1916)	1:109:A:VAL:HG21	1:196:A:LEU:HD23	10	0.46
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD21	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD22	10	0.46
(1,1916)	1:109:A:VAL:HG22	1:196:A:LEU:HD23	10	0.46
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD21	10	0.46
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD22	10	0.46
(1,1916)	1:109:A:VAL:HG23	1:196:A:LEU:HD23	10	0.46
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	14	0.46
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	14	0.46
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	14	0.46
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	14	0.46
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	14	0.46
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	14	0.46
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	19	0.46
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	19	0.46
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	19	0.46
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	19	0.46
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	19	0.46
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	19	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	3	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	3	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	3	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	18	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	18	0.46
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	18	0.46
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	13	0.46
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	13	0.46
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	13	0.46
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	13	0.46
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	13	0.46
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	13	0.46
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	13	0.46
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	13	0.46
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	13	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	6	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	6	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	6	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	6	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	6	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	6	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	6	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	6	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	6	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	13	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	13	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	13	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	13	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	13	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	13	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	13	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	13	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	19	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	19	0.46
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	19	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	19	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	19	0.46
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	19	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	19	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	19	0.46
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	19	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	3	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	3	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	6	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	6	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	12	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	12	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD11	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD12	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD13	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD21	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD22	1:109:A:VAL:HG23	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG21	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG22	18	0.46
(1,1801)	1:113:A:LEU:HD23	1:109:A:VAL:HG23	18	0.46
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	10	0.46
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	15	0.46
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	15	0.46
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	19	0.46
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	2	0.46
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	2	0.46
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	15	0.46
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	15	0.46
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	13	0.46
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	13	0.46
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	13	0.46
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	10	0.46
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	10	0.46
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	1	0.46
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	1	0.46
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	1	0.46
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	3	0.46
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	18	0.46
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	20	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	6	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	6	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	10	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	10	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	14	0.46
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	14	0.46
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	20	0.46
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	20	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	4	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	4	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	4	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	4	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	7	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	7	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	7	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	7	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	12	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	12	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	12	0.46
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	12	0.46
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	11	0.46
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	11	0.46
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	15	0.46
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	4	0.46
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	13	0.46
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	14	0.46
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	15	0.46
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	13	0.46
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	13	0.46
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	13	0.46
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	13	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	10	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	10	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	10	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	16	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	16	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	16	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	20	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	20	0.46
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	20	0.46
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	13	0.46
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	13	0.46
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	18	0.46
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	18	0.46
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	18	0.46
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	3	0.46
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	3	0.46
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	3	0.46
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	3	0.46
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	9	0.46
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	9	0.46
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	9	0.46
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	9	0.46
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	19	0.46
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	19	0.46
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	10	0.46
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	10	0.46
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	10	0.46
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	5	0.46
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	5	0.46
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	7	0.46
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	7	0.46
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	11	0.46
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	15	0.46
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	15	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	7	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	7	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	7	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	13	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	13	0.46
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	13	0.46
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	11	0.46
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	8	0.46
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	8	0.46
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB2	8	0.46
(1,1411)	1:138:A:PHE:H	1:138:A:PHE:HB3	8	0.46
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	16	0.46
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	16	0.46
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	16	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	15	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	15	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	15	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	15	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	15	0.46
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	15	0.46
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	17	0.46
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	10	0.46
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	10	0.46
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	16	0.46
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	20	0.46
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	14	0.46
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	5	0.46
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	5	0.46
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	11	0.46
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	13	0.46
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	20	0.46
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	18	0.46
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	18	0.46
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	5	0.46
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	5	0.46
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG2	14	0.46
(1,1235)	1:140:A:ARG:H	1:140:A:ARG:HG3	14	0.46
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	12	0.46
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	12	0.46
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	15	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	2	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	2	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	6	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	6	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	8	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	8	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	10	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	10	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	19	0.46
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	19	0.46
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	10	0.46
(1,1192)	1:54:A:LEU:H	1:55:A:ASN:H	9	0.46
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	4	0.46
(1,1175)	1:234:A:ILE:H	1:235:A:GLN:H	13	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	3	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	4	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	5	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	6	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	8	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	9	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	14	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	15	0.46
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	19	0.46
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	6	0.46
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	6	0.46
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	5	0.46
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	17	0.46
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	6	0.46
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	8	0.46
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	11	0.46
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	17	0.46
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	5	0.46
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	1	0.46
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	1	0.46
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	1	0.46
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	7	0.46
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	7	0.46
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	7	0.46
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	16	0.46
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	16	0.46
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	20	0.46
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	20	0.46
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	20	0.46
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	4	0.46
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	4	0.46
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	4	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	6	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	7	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	12	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	15	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	17	0.46
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	20	0.46
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	15	0.46
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	15	0.46
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	3	0.46
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	16	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	3	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	5	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	7	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	11	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	13	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	15	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	16	0.46
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	19	0.46
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	6	0.46
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	6	0.46
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	6	0.46
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	7	0.46
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	3	0.46
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	6	0.46
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	7	0.46
(1,913)	1:35:A:LEU:H	1:36:A:GLU:H	18	0.46
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	9	0.46
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	3	0.46
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	7	0.46
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	8	0.46
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	9	0.46
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	8	0.46
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	10	0.46
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	11	0.46
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	13	0.46
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	15	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	20	0.46
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	3	0.46
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	3	0.46
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	3	0.46
(1,827)	1:84:A:TRP:H	1:200:A:LEU:HB3	16	0.46
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	1	0.46
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	1	0.46
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	7	0.46
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	7	0.46
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	4	0.46
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	4	0.46
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	4	0.46
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	4	0.46
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	4	0.46
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	4	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	8	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	8	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	8	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	8	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	8	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	8	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	11	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	11	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	11	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	11	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	11	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	11	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	18	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	18	0.46
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	18	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	18	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	18	0.46
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	18	0.46
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	1	0.46
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	1	0.46
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	1	0.46
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	8	0.46
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	8	0.46
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	8	0.46
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	8	0.46
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	13	0.46
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	13	0.46
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	7	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	1	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	1	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	1	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	2	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	2	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	2	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	3	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	3	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	3	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	4	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	4	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	4	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	5	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	5	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	5	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	6	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	6	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	6	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	7	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	7	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	7	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	8	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	8	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	8	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	9	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	9	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	9	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	10	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	10	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	10	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	11	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	11	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	11	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	12	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	12	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	12	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	13	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	13	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	13	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	14	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	14	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	15	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	15	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	15	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	16	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	16	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	16	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	17	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	17	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	17	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	18	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	18	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	18	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	19	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	19	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	19	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG21	20	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG22	20	0.46
(1,732)	1:103:A:ILE:HA	1:103:A:ILE:HG23	20	0.46
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	6	0.46
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	18	0.46
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	8	0.46
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	8	0.46
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	8	0.46
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	8	0.46
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	8	0.46
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	8	0.46
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	8	0.46
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	8	0.46
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	8	0.46
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	14	0.46
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	14	0.46
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	4	0.46
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	4	0.46
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	4	0.46
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	11	0.46
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	11	0.46
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	11	0.46
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	19	0.46
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	19	0.46
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	16	0.46
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	16	0.46
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	16	0.46
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	4	0.46
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	4	0.46
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	10	0.46
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	10	0.46
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	14	0.46
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	14	0.46
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	14	0.46
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB2	14	0.46
(1,609)	1:233:A:GLY:HA2	1:236:A:LYS:HB3	14	0.46
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	20	0.46
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	20	0.46
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	20	0.46
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	14	0.46
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	14	0.46
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	14	0.46
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	14	0.46
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	14	0.46
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	14	0.46
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	13	0.46
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	13	0.46
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	13	0.46
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	13	0.46
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	13	0.46
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	13	0.46
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	15	0.46
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	15	0.46
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	5	0.46
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	16	0.46
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	11	0.46
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	11	0.46
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	11	0.46
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	19	0.46
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	19	0.46
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	19	0.46
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	17	0.46
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	17	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	9	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	9	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	17	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	17	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	17	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	20	0.46
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.46
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	5	0.46
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	5	0.46
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	5	0.46
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	15	0.46
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	15	0.46
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	15	0.46
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	2	0.46
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	2	0.46
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	14	0.46
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	14	0.46
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	1	0.46
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	1	0.46
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	1	0.46
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	1	0.46
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	7	0.46
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	7	0.46
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	7	0.46
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	7	0.46
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	12	0.46
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	12	0.46
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	8	0.46
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	8	0.46
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	8	0.46
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	16	0.46
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	2	0.46
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	2	0.46
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	2	0.46
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	2	0.46
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	2	0.46
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	2	0.46
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE1	20	0.46
(1,284)	1:89:A:VAL:HB	1:124:A:PHE:HE2	20	0.46
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	6	0.46
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	6	0.46
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	6	0.46
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	4	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	9	0.46
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	9	0.46
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	9	0.46
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	9	0.46
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	9	0.46
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB2	9	0.46
(1,207)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	9	0.46
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	17	0.46
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	17	0.46
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	17	0.46
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	17	0.46
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	17	0.46
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	17	0.46
(1,149)	1:90:A:THR:HB	1:91:A:TYR:H	1	0.46
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	10	0.46
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	5	0.46
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	14	0.46
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	19	0.46
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	11	0.46
(1,92)	1:122:A:LEU:HA	1:123:A:HIS:H	20	0.46
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	5	0.46
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	16	0.46
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	15	0.46
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	1	0.46
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	1	0.46
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	1	0.46
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	1	0.46
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	4	0.46
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	4	0.46
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	4	0.46
(4,37)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	12	0.45
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	11	0.45
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	11	0.45
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	11	0.45
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	2	0.45
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	2	0.45
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	2	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	4	0.45
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	4	0.45
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	4	0.45
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	11	0.45
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	11	0.45
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	11	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	12	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	12	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	12	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	16	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	16	0.45
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	16	0.45
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	18	0.45
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	18	0.45
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	18	0.45
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	18	0.45
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	18	0.45
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	18	0.45
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	18	0.45
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	18	0.45
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	18	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	6	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	6	0.45
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	6	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	1	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	1	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	1	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	1	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	1	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	1	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	2	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	2	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	2	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	2	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	2	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	2	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	8	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	8	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	8	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	8	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	8	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	11	0.45
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	11	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	11	0.45
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	11	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	11	0.45
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	11	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	4	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	4	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	4	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	6	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	6	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	6	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	7	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	7	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	7	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	8	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	8	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	8	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	9	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	9	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	9	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	15	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	15	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	15	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	17	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	17	0.45
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	17	0.45
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	7	0.45
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	7	0.45
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	7	0.45
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	7	0.45
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	7	0.45
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	7	0.45
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	7	0.45
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	16	0.45
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	16	0.45
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	16	0.45
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	16	0.45
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	16	0.45
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	16	0.45
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	16	0.45
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	16	0.45
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	20	0.45
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	20	0.45
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	20	0.45
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	1	0.45
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	1	0.45
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	1	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	3	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	3	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	3	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	6	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	6	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	6	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	12	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	12	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	12	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	16	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	16	0.45
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	16	0.45
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	18	0.45
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	18	0.45
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	18	0.45
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	9	0.45
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	9	0.45
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	9	0.45
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	9	0.45
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	9	0.45
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	9	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	2	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	2	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	2	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	7	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	7	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	7	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	12	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	12	0.45
(1,1856)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	2	0.45
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	2	0.45
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	2	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	2	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	2	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	2	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	2	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	2	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	2	0.45
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	19	0.45
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	19	0.45
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	19	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	19	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	19	0.45
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	19	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	19	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	19	0.45
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	19	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	3	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	3	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	3	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	3	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	3	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	3	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	3	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	3	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	3	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	4	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	4	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	4	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	4	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	4	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	4	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	4	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	4	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	4	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	5	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	5	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	5	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	5	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	5	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	5	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	5	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	5	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	12	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	12	0.45
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	12	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	12	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	12	0.45
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	12	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	12	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	12	0.45
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	12	0.45
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	3	0.45
(1,1828)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	3	0.45
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	3	0.45
(1,1828)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	3	0.45
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	3	0.45
(1,1828)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	3	0.45
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE1	20	0.45
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE2	20	0.45
(1,1826)	1:54:A:LEU:HD11	1:62:A:MET:HE3	20	0.45
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE1	20	0.45
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE2	20	0.45
(1,1826)	1:54:A:LEU:HD12	1:62:A:MET:HE3	20	0.45
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE1	20	0.45
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE2	20	0.45
(1,1826)	1:54:A:LEU:HD13	1:62:A:MET:HE3	20	0.45
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	17	0.45
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	17	0.45
(1,1765)	1:171:A:HIS:H	1:171:A:HIS:HD2	10	0.45
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	12	0.45
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	12	0.45
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	12	0.45
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	11	0.45
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	11	0.45
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	4	0.45
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	4	0.45
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	1	0.45
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	2	0.45
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	6	0.45
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	9	0.45
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	13	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	19	0.45
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	13	0.45
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	20	0.45
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	20	0.45
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	20	0.45
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	20	0.45
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	15	0.45
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	15	0.45
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	15	0.45
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	15	0.45
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	15	0.45
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	6	0.45
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	6	0.45
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	1	0.45
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	5	0.45
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	10	0.45
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	3	0.45
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	3	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	5	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	5	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	5	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	8	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	8	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	8	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	13	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	13	0.45
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	13	0.45
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	12	0.45
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	12	0.45
(1,1550)	1:159:A:ALA:HB1	1:199:A:SER:H	3	0.45
(1,1550)	1:159:A:ALA:HB2	1:199:A:SER:H	3	0.45
(1,1550)	1:159:A:ALA:HB3	1:199:A:SER:H	3	0.45
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	9	0.45
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	9	0.45
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	14	0.45
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	14	0.45
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	16	0.45
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	16	0.45
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	16	0.45
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	16	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	4	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	4	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	4	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	7	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	7	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	7	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	7	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	11	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	11	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	11	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	11	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	14	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	14	0.45
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	14	0.45
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	14	0.45
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	10	0.45
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	12	0.45
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	7	0.45
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	7	0.45
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	12	0.45
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	12	0.45
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	11	0.45
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	15	0.45
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	19	0.45
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	19	0.45
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	19	0.45
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	7	0.45
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	3	0.45
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	3	0.45
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	3	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	9	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	9	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	9	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	9	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	9	0.45
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	9	0.45
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	7	0.45
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	2	0.45
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	2	0.45
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	11	0.45
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	17	0.45
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	17	0.45
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	18	0.45
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	7	0.45
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	10	0.45
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	17	0.45
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	13	0.45
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	13	0.45
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	5	0.45
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	5	0.45
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	1	0.45
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	18	0.45
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	14	0.45
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	19	0.45
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	6	0.45
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	6	0.45
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	16	0.45
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	12	0.45
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	12	0.45
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	4	0.45
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	4	0.45
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	14	0.45
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	11	0.45
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	11	0.45
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	11	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	1	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	2	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	7	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	10	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	11	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	16	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	17	0.45
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	20	0.45
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	20	0.45
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	5	0.45
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	5	0.45
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	1	0.45
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	5	0.45
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	7	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	1	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	4	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	5	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	9	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	13	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	14	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	15	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	16	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	18	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	19	0.45
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	20	0.45
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	15	0.45
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	9	0.45
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	3	0.45
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	4	0.45
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	4	0.45
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	4	0.45
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	15	0.45
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	16	0.45
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	16	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	10	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	10	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	10	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	14	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	14	0.45
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	14	0.45
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	20	0.45
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	16	0.45
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	9	0.45
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	11	0.45
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	1	0.45
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	4	0.45
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	6	0.45
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	17	0.45
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	2	0.45
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	2	0.45
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	2	0.45
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	19	0.45
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	9	0.45
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	20	0.45
(1,925)	1:43:A:GLN:H	1:44:A:LYS:H	10	0.45
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	4	0.45
(1,921)	1:42:A:MET:H	1:43:A:GLN:H	17	0.45
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	13	0.45
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	17	0.45
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	19	0.45
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	7	0.45
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	20	0.45
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	15	0.45
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	2	0.45
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	10	0.45
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	6	0.45
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	18	0.45
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	19	0.45
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	16	0.45
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	14	0.45
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	14	0.45
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	14	0.45
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	14	0.45
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	14	0.45
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	14	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	10	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	10	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	10	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	14	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	14	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	14	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	16	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	16	0.45
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	16	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	6	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	6	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	6	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	6	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	13	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	13	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	13	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	13	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	17	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	17	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	17	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	17	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	18	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	18	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	18	0.45
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	18	0.45
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	17	0.45
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	17	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	10	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	10	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	10	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	10	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	18	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	18	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	18	0.45
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	18	0.45
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	16	0.45
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	1	0.45
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	13	0.45
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	16	0.45
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	18	0.45
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	14	0.45
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	14	0.45
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	14	0.45
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	14	0.45
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	14	0.45
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	14	0.45
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	17	0.45
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	17	0.45
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	17	0.45
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	17	0.45
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	17	0.45
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	17	0.45
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	6	0.45
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	19	0.45
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	16	0.45
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	16	0.45
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	7	0.45
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	7	0.45
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	7	0.45
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	8	0.45
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	8	0.45
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	8	0.45
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	12	0.45
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	12	0.45
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	12	0.45
(1,634)	1:20:A:LYS:HB2	1:21:A:ARG:H	16	0.45
(1,634)	1:20:A:LYS:HB3	1:21:A:ARG:H	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	17	0.45
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	17	0.45
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	17	0.45
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	5	0.45
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	5	0.45
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	5	0.45
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	7	0.45
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	7	0.45
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	7	0.45
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	11	0.45
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	11	0.45
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	11	0.45
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	4	0.45
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	4	0.45
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	3	0.45
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	7	0.45
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	9	0.45
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	6	0.45
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	19	0.45
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	4	0.45
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	7	0.45
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	7	0.45
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	7	0.45
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	8	0.45
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	8	0.45
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	8	0.45
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	12	0.45
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	12	0.45
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	12	0.45
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	13	0.45
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	13	0.45
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	13	0.45
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	17	0.45
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	2	0.45
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	2	0.45
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	2	0.45
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	2	0.45
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	2	0.45
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	2	0.45
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	18	0.45
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	18	0.45
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG21	2	0.45
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG22	2	0.45
(1,452)	1:93:A:ILE:HG21	1:136:A:ILE:HG23	2	0.45
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG21	2	0.45
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG22	2	0.45
(1,452)	1:93:A:ILE:HG22	1:136:A:ILE:HG23	2	0.45
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG21	2	0.45
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG22	2	0.45
(1,452)	1:93:A:ILE:HG23	1:136:A:ILE:HG23	2	0.45
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	15	0.45
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	15	0.45
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	13	0.45
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	13	0.45
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	13	0.45
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	13	0.45
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	13	0.45
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	13	0.45
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	13	0.45
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	13	0.45
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	13	0.45
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	7	0.45
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	7	0.45
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	7	0.45
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	7	0.45
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	7	0.45
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	7	0.45
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	17	0.45
(1,385)	1:45:A:PHE:HD1	1:46:A:PHE:H	4	0.45
(1,385)	1:45:A:PHE:HD2	1:46:A:PHE:H	4	0.45
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	10	0.45
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	2	0.45
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	2	0.45
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	2	0.45
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD1	16	0.45
(1,327)	1:120:A:ILE:HD11	1:238:A:TYR:HD2	16	0.45
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD1	16	0.45
(1,327)	1:120:A:ILE:HD12	1:238:A:TYR:HD2	16	0.45
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD1	16	0.45
(1,327)	1:120:A:ILE:HD13	1:238:A:TYR:HD2	16	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	4	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	4	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	5	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	5	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	5	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	10	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	10	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	10	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	12	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	12	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	12	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	19	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	19	0.45
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	19	0.45
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	8	0.45
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	8	0.45
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	14	0.45
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	14	0.45
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	14	0.45
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	14	0.45
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	14	0.45
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	14	0.45
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	14	0.45
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	14	0.45
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	14	0.45
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	9	0.45
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	9	0.45
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	9	0.45
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	9	0.45
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	3	0.45
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	3	0.45
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	3	0.45
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	3	0.45
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	3	0.45
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	3	0.45
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	9	0.45
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	9	0.45
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	9	0.45
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	9	0.45
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	9	0.45
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	9	0.45
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	18	0.45
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	18	0.45
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	18	0.45
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	18	0.45
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	18	0.45
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	18	0.45
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	18	0.45
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	18	0.45
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE1	4	0.45
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE2	4	0.45
(1,155)	1:18:A:TYR:HB2	1:62:A:MET:HE3	4	0.45
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE1	4	0.45
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE2	4	0.45
(1,155)	1:18:A:TYR:HB3	1:62:A:MET:HE3	4	0.45
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	2	0.45
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	2	0.45
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	11	0.45
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	7	0.45
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	7	0.45
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	8	0.45
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	12	0.45
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	18	0.45
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	8	0.45
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	8	0.45
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	3	0.45
(1,66)	1:84:A:TRP:HZ2	1:168:A:GLY:HA2	7	0.45
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	13	0.45
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	13	0.45
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	13	0.45
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	1	0.45
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	1	0.45
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	9	0.45
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	9	0.45
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	11	0.44
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	11	0.44
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	11	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	19	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	19	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	19	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	20	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	20	0.44
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	20	0.44
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	4	0.44
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	4	0.44
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	14	0.44
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	14	0.44
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	14	0.44
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG12	12	0.44
(1,2147)	1:226:A:LEU:HD11	1:231:A:ILE:HG13	12	0.44
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG12	12	0.44
(1,2147)	1:226:A:LEU:HD12	1:231:A:ILE:HG13	12	0.44
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG12	12	0.44
(1,2147)	1:226:A:LEU:HD13	1:231:A:ILE:HG13	12	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	3	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	3	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	3	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD11	5	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD12	5	0.44
(1,2110)	1:122:A:LEU:HA	1:122:A:LEU:HD13	5	0.44
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	18	0.44
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	18	0.44
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	18	0.44
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	18	0.44
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	18	0.44
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	18	0.44
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	6	0.44
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	6	0.44
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	6	0.44
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	3	0.44
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	3	0.44
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	3	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	17	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	17	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	17	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	19	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	19	0.44
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	19	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	14	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	14	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	14	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	14	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	14	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	14	0.44
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	14	0.44
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	14	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	15	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	15	0.44
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	15	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	15	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	15	0.44
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	15	0.44
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	15	0.44
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	15	0.44
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	15	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	1	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	1	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	1	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	4	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	4	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	4	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	6	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	6	0.44
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	6	0.44
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	12	0.44
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	12	0.44
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	12	0.44
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	12	0.44
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	12	0.44
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	12	0.44
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	15	0.44
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	15	0.44
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	15	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	15	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	15	0.44
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	15	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	15	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	15	0.44
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	15	0.44
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	20	0.44
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	20	0.44
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	20	0.44
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	4	0.44
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	4	0.44
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	4	0.44
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	4	0.44
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	4	0.44
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	4	0.44
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	4	0.44
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	4	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	2	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	2	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	2	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	2	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	2	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	2	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	2	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	2	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	2	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	7	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	7	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	7	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	7	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	7	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	7	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	7	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	7	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	7	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	16	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	16	0.44
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	16	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	16	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	16	0.44
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	16	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	16	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	16	0.44
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	16	0.44
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	9	0.44
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	9	0.44
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	9	0.44
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	17	0.44
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	17	0.44
(1,1789)	1:67:A:CYS:HB2	1:68:A:GLY:H	17	0.44
(1,1789)	1:67:A:CYS:HB3	1:68:A:GLY:H	17	0.44
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	7	0.44
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	7	0.44
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	3	0.44
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	3	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	8	0.44
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	8	0.44
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	12	0.44
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	12	0.44
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	13	0.44
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	13	0.44
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	14	0.44
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	14	0.44
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	8	0.44
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	8	0.44
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	8	0.44
(1,1730)	1:72:A:VAL:HB	1:73:A:ALA:H	11	0.44
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	16	0.44
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	9	0.44
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	7	0.44
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	7	0.44
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	2	0.44
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	2	0.44
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	2	0.44
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	7	0.44
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	11	0.44
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	14	0.44
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	15	0.44
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	11	0.44
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	14	0.44
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	10	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	3	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	3	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	3	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	3	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	9	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	9	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	9	0.44
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	9	0.44
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	14	0.44
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	14	0.44
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	14	0.44
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	8	0.44
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	8	0.44
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	12	0.44
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	12	0.44
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	18	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	18	0.44
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	3	0.44
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	5	0.44
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	1	0.44
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	20	0.44
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	19	0.44
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	19	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	3	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	3	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	3	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	4	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	4	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	4	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	12	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	12	0.44
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	12	0.44
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB2	11	0.44
(1,1565)	1:205:A:SER:H	1:205:A:SER:HB3	11	0.44
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	12	0.44
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	7	0.44
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	7	0.44
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	7	0.44
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	4	0.44
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	4	0.44
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	10	0.44
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	10	0.44
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	14	0.44
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	14	0.44
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	14	0.44
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	6	0.44
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	6	0.44
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	2	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	6	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	6	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	6	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	6	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	10	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	10	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	10	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	10	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	19	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	19	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	19	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	20	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	20	0.44
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	20	0.44
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	20	0.44
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	20	0.44
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	20	0.44
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	19	0.44
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	16	0.44
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	3	0.44
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	3	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	3	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	3	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	13	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	13	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	16	0.44
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	16	0.44
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG21	2	0.44
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG22	2	0.44
(1,1344)	1:120:A:ILE:H	1:120:A:ILE:HG23	2	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	8	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	8	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	8	0.44
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	8	0.44
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	13	0.44
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	14	0.44
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	18	0.44
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	15	0.44
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	15	0.44
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	3	0.44
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	5	0.44
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	3	0.44
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	3	0.44
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	3	0.44
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	13	0.44
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	13	0.44
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	13	0.44
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	11	0.44
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	4	0.44
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	14	0.44
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	17	0.44
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	8	0.44
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	8	0.44
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	11	0.44
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	11	0.44
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	12	0.44
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	12	0.44
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	16	0.44
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	11	0.44
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	9	0.44
(1,1171)	1:234:A:ILE:H	1:235:A:GLN:H	13	0.44
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	8	0.44
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	8	0.44
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	13	0.44
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	6	0.44
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	12	0.44
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	2	0.44
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	3	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	2	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	3	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	4	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	6	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	8	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	9	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	10	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	11	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	12	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	13	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	14	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	16	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	17	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	18	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	19	0.44
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	20	0.44
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	2	0.44
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	6	0.44
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	7	0.44
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	10	0.44
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	10	0.44
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	9	0.44
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	11	0.44
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	8	0.44
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	8	0.44
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	8	0.44
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	11	0.44
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	11	0.44
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	11	0.44
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	17	0.44
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	17	0.44
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	17	0.44
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	12	0.44
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	16	0.44
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	2	0.44
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	5	0.44
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	5	0.44
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	5	0.44
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	4	0.44
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	10	0.44
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	11	0.44
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	13	0.44
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	11	0.44
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	13	0.44
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	7	0.44
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	18	0.44
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	5	0.44
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	14	0.44
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	6	0.44
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	6	0.44
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	10	0.44
(1,1007)	1:103:A:ILE:H	1:104:A:THR:H	8	0.44
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	11	0.44
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	3	0.44
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	3	0.44
(1,976)	1:68:A:GLY:H	1:69:A:VAL:H	4	0.44
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	8	0.44
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	15	0.44
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	8	0.44
(1,963)	1:193:A:THR:H	1:194:A:HIS:H	10	0.44
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	6	0.44
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	8	0.44
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	9	0.44
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	17	0.44
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	17	0.44
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	20	0.44
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	12	0.44
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	12	0.44
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	14	0.44
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	8	0.44
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	14	0.44
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	4	0.44
(1,880)	1:11:A:GLN:H	1:12:A:TRP:H	6	0.44
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	4	0.44
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	5	0.44
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	3	0.44
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	3	0.44
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD1	11	0.44
(1,811)	1:186:A:ILE:HD11	1:216:A:TYR:HD2	11	0.44
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD1	11	0.44
(1,811)	1:186:A:ILE:HD12	1:216:A:TYR:HD2	11	0.44
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD1	11	0.44
(1,811)	1:186:A:ILE:HD13	1:216:A:TYR:HD2	11	0.44
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	10	0.44
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	10	0.44
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	10	0.44
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	13	0.44
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	13	0.44
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	13	0.44
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	13	0.44
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	13	0.44
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	13	0.44
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	1	0.44
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	1	0.44
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	11	0.44
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	11	0.44
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	11	0.44
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	11	0.44
(1,730)	1:103:A:ILE:H	1:103:A:ILE:HB	15	0.44
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	10	0.44
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	10	0.44
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	10	0.44
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	10	0.44
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	10	0.44
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	10	0.44
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	1	0.44
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	1	0.44
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	1	0.44
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	10	0.44
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	10	0.44
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	10	0.44
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	15	0.44
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	15	0.44
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	15	0.44
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	3	0.44
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	4	0.44
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	5	0.44
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	8	0.44
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	11	0.44
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	16	0.44
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	16	0.44
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	4	0.44
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	4	0.44
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	4	0.44
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	4	0.44
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	17	0.44
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	17	0.44
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	17	0.44
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	2	0.44
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	2	0.44
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	2	0.44
(1,658)	1:50:A:ILE:HG21	1:51:A:THR:H	9	0.44
(1,658)	1:50:A:ILE:HG22	1:51:A:THR:H	9	0.44
(1,658)	1:50:A:ILE:HG23	1:51:A:THR:H	9	0.44
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	10	0.44
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	10	0.44
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	10	0.44
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	10	0.44
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	10	0.44
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	10	0.44
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	10	0.44
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	10	0.44
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	10	0.44
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	15	0.44
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	15	0.44
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	15	0.44
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	12	0.44
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	12	0.44
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	5	0.44
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	5	0.44
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	5	0.44
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	6	0.44
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	6	0.44
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	6	0.44
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	15	0.44
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	15	0.44
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	15	0.44
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	15	0.44
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	15	0.44
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	15	0.44
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	12	0.44
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	12	0.44
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	10	0.44
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	10	0.44
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	10	0.44
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	10	0.44
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	10	0.44
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	10	0.44
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	2	0.44
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	8	0.44
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	8	0.44
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	2	0.44
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	2	0.44
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	2	0.44
(1,486)	1:50:A:ILE:HG21	1:51:A:THR:H	9	0.44
(1,486)	1:50:A:ILE:HG22	1:51:A:THR:H	9	0.44
(1,486)	1:50:A:ILE:HG23	1:51:A:THR:H	9	0.44
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	2	0.44
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	2	0.44
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	2	0.44
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	1	0.44
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	1	0.44
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	1	0.44
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	5	0.44
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	20	0.44
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	20	0.44
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	6	0.44
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	6	0.44
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	6	0.44
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	6	0.44
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	6	0.44
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	6	0.44
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	6	0.44
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	6	0.44
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	1	0.44
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	1	0.44
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	1	0.44
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	1	0.44
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	1	0.44
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	1	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	17	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	17	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	17	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	17	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	17	0.44
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	17	0.44
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	17	0.44
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	17	0.44
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	17	0.44
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	3	0.44
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	3	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	2	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	2	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	2	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	7	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	7	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	7	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	20	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	20	0.44
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	20	0.44
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	1	0.44
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	1	0.44
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	1	0.44
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	1	0.44
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	4	0.44
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	4	0.44
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	4	0.44
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	4	0.44
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	4	0.44
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	16	0.44
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	16	0.44
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	8	0.44
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	10	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	16	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	16	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	16	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	18	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	18	0.44
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	18	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	3	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	3	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	12	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	12	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	13	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	13	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	20	0.44
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	20	0.44
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	3	0.44
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	3	0.44
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	3	0.44
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	20	0.44
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	16	0.44
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	11	0.44
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	18	0.44
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	18	0.44
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	15	0.44
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	15	0.44
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	10	0.44
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	10	0.44
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	14	0.44
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	14	0.44
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	13	0.44
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	3	0.43
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	9	0.43
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	9	0.43
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	9	0.43
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	6	0.43
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	6	0.43
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	6	0.43
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	16	0.43
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	16	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	14	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	14	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	14	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	14	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	14	0.43
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	14	0.43
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	2	0.43
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	2	0.43
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	2	0.43
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	3	0.43
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	3	0.43
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	3	0.43
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	4	0.43
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	4	0.43
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	4	0.43
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	4	0.43
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	4	0.43
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	4	0.43
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	4	0.43
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	20	0.43
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	20	0.43
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	20	0.43
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	20	0.43
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	20	0.43
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	20	0.43
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	20	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	3	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	3	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	3	0.43
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	3	0.43
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	3	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	3	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	3	0.43
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	3	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	4	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	4	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	4	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	16	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	16	0.43
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	16	0.43
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	6	0.43
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	6	0.43
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	6	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	2	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	2	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	2	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	7	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	7	0.43
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	7	0.43
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	19	0.43
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	19	0.43
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	19	0.43
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	19	0.43
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	19	0.43
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	19	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	5	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	5	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	5	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	5	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	5	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	5	0.43
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	5	0.43
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	5	0.43
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	5	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	17	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	17	0.43
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	17	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	17	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	17	0.43
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	17	0.43
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	17	0.43
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	17	0.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	12	0.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	12	0.43
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	12	0.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	12	0.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	12	0.43
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	12	0.43
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	8	0.43
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	8	0.43
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	8	0.43
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	7	0.43
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	7	0.43
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	7	0.43
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	7	0.43
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	7	0.43
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	7	0.43
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	7	0.43
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	7	0.43
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	7	0.43
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	9	0.43
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	9	0.43
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	9	0.43
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	9	0.43
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	9	0.43
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	9	0.43
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	9	0.43
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	9	0.43
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	9	0.43
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	8	0.43
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	8	0.43
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	8	0.43
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	8	0.43
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	8	0.43
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	8	0.43
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	8	0.43
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	8	0.43
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	8	0.43
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	14	0.43
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	14	0.43
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	14	0.43
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	14	0.43
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	14	0.43
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	15	0.43
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	15	0.43
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	15	0.43
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	15	0.43
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	15	0.43
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	15	0.43
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	20	0.43
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	10	0.43
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	10	0.43
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	10	0.43
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	10	0.43
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	3	0.43
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	6	0.43
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	17	0.43
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	17	0.43
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	9	0.43
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	9	0.43
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	18	0.43
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	18	0.43
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	8	0.43
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	10	0.43
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	16	0.43
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	10	0.43
(1,1652)	1:34:A:SER:H	1:34:A:SER:HB2	2	0.43
(1,1648)	1:28:A:GLU:HB2	1:29:A:THR:H	16	0.43
(1,1648)	1:28:A:GLU:HB3	1:29:A:THR:H	16	0.43
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	19	0.43
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	16	0.43
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	16	0.43
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	16	0.43
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	16	0.43
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	1	0.43
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	1	0.43
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	11	0.43
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	11	0.43
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	13	0.43
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	13	0.43
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	10	0.43
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	10	0.43
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	7	0.43
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	11	0.43
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	8	0.43
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	16	0.43
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	15	0.43
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	15	0.43
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	15	0.43
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	8	0.43
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	8	0.43
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	8	0.43
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	15	0.43
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	9	0.43
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	9	0.43
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	9	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	6	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	6	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	15	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	15	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	17	0.43
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	17	0.43
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	10	0.43
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	10	0.43
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	10	0.43
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	12	0.43
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	12	0.43
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	12	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	1	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	1	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	1	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	1	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	2	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	2	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	2	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	2	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	5	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	5	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	5	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	5	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	12	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	12	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	12	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	13	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	13	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	13	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	13	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	15	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	15	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	15	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	15	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	17	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	17	0.43
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	17	0.43
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	17	0.43
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	13	0.43
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	2	0.43
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	2	0.43
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	6	0.43
(1,1442)	1:156:A:LEU:HB3	1:157:A:ALA:H	8	0.43
(1,1442)	1:156:A:LEU:HB2	1:157:A:ALA:H	8	0.43
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	2	0.43
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	2	0.43
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	2	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	7	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	17	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	17	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	17	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	17	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	17	0.43
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	17	0.43
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	1	0.43
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	2	0.43
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	2	0.43
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	2	0.43
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	2	0.43
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	5	0.43
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	5	0.43
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	6	0.43
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	20	0.43
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	20	0.43
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	1	0.43
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	3	0.43
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	20	0.43
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	20	0.43
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	6	0.43
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	9	0.43
(1,1244)	1:93:A:ILE:H	1:93:A:ILE:HB	15	0.43
(1,1231)	1:90:A:THR:HB	1:91:A:TYR:H	1	0.43
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	13	0.43
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	13	0.43
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	13	0.43
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	13	0.43
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	13	0.43
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	15	0.43
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	15	0.43
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	1	0.43
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	1	0.43
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	14	0.43
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	14	0.43
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	13	0.43
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	19	0.43
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	17	0.43
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	18	0.43
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	11	0.43
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	11	0.43
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	11	0.43
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	9	0.43
(1,1152)	1:211:A:VAL:H	1:227:A:SER:H	5	0.43
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	9	0.43
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	14	0.43
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	14	0.43
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	17	0.43
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	17	0.43
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	6	0.43
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	10	0.43
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	19	0.43
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	5	0.43
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	17	0.43
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	11	0.43
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	5	0.43
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	7	0.43
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	11	0.43
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	15	0.43
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	16	0.43
(1,1101)	1:174:A:GLU:H	1:175:A:ASP:H	17	0.43
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	8	0.43
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	17	0.43
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	17	0.43
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	17	0.43
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	17	0.43
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	1	0.43
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	10	0.43
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	10	0.43
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	10	0.43
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	17	0.43
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	17	0.43
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	17	0.43
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	17	0.43
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	15	0.43
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	15	0.43
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	20	0.43
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	8	0.43
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	14	0.43
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	14	0.43
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	14	0.43
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	2	0.43
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	12	0.43
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	20	0.43
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	20	0.43
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	20	0.43
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	7	0.43
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	17	0.43
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	3	0.43
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	11	0.43
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	13	0.43
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	16	0.43
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	19	0.43
(1,924)	1:42:A:MET:H	1:43:A:GLN:H	17	0.43
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	10	0.43
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	12	0.43
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	3	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	15	0.43
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	2	0.43
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	4	0.43
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	2	0.43
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	3	0.43
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	7	0.43
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	10	0.43
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	10	0.43
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	10	0.43
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	10	0.43
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	10	0.43
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	10	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	4	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	4	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	4	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	4	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	4	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	4	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	18	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	18	0.43
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	18	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	18	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	18	0.43
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	18	0.43
(1,795)	1:154:A:ASN:HB2	1:155:A:THR:H	6	0.43
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	5	0.43
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	5	0.43
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	5	0.43
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	14	0.43
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	16	0.43
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	14	0.43
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	14	0.43
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	15	0.43
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	15	0.43
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	15	0.43
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	15	0.43
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	17	0.43
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	17	0.43
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	17	0.43
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	4	0.43
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	4	0.43
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	20	0.43
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	20	0.43
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	1	0.43
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	1	0.43
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	1	0.43
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	7	0.43
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	7	0.43
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	7	0.43
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	20	0.43
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	20	0.43
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	9	0.43
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	1	0.43
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	4	0.43
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	9	0.43
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	16	0.43
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	2	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	2	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	2	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	4	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	4	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	17	0.43
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	17	0.43
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	1	0.43
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	9	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	8	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	8	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	8	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	16	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	16	0.43
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	16	0.43
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	19	0.43
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	19	0.43
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	19	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	16	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	16	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	16	0.43
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	16	0.43
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	16	0.43
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	16	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	18	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	18	0.43
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	18	0.43
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	18	0.43
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	18	0.43
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	19	0.43
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	19	0.43
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	19	0.43
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	19	0.43
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	19	0.43
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	19	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	12	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	12	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	12	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	12	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	12	0.43
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	12	0.43
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	12	0.43
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	12	0.43
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	12	0.43
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	4	0.43
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	4	0.43
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	4	0.43
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	10	0.43
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	10	0.43
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	10	0.43
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	10	0.43
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	10	0.43
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	10	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	3	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	3	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	3	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD11	17	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD12	17	0.43
(1,317)	1:103:A:ILE:HA	1:103:A:ILE:HD13	17	0.43
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	8	0.43
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	8	0.43
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	14	0.43
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	20	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	3	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	3	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	3	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	14	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	14	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	20	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	20	0.43
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	20	0.43
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	16	0.43
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	16	0.43
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	16	0.43
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	16	0.43
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	14	0.43
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	14	0.43
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	14	0.43
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	14	0.43
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	14	0.43
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	14	0.43
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	14	0.43
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	14	0.43
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	14	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	6	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	6	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	6	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	6	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	18	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	18	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	18	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	18	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	20	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	20	0.43
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	20	0.43
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	20	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	3	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	3	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	3	0.43
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	3	0.43
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	3	0.43
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	3	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	3	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	3	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	3	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	4	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	4	0.43
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	4	0.43
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	4	0.43
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	4	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	4	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	4	0.43
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	4	0.43
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	4	0.43
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	4	0.43
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	4	0.43
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	17	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	9	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	9	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	9	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	10	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB2	10	0.43
(1,145)	1:34:A:SER:H	1:34:A:SER:HB3	10	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	1	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	1	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	7	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	7	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	9	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	9	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	17	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	17	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	18	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	18	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	19	0.43
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	19	0.43
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	10	0.43
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	10	0.43
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	15	0.43
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	15	0.43
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	9	0.43
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	2	0.43
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	7	0.43
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	3	0.43
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	3	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	3	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	3	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	7	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	7	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	9	0.43
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	15	0.43
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	8	0.43
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	19	0.43
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	8	0.43
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	19	0.43
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	14	0.43
(1,3)	1:204:A:HIS:HA	1:204:A:HIS:HD2	17	0.43
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	16	0.42
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	16	0.42
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	16	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	4	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	4	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	4	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	7	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	7	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	7	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	19	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	19	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	19	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	20	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	20	0.42
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	20	0.42
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	10	0.42
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	10	0.42
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	10	0.42
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	14	0.42
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	14	0.42
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	14	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	17	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	17	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	17	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	17	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	17	0.42
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	17	0.42
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	6	0.42
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	6	0.42
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	6	0.42
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	18	0.42
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	18	0.42
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	18	0.42
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	8	0.42
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	8	0.42
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	8	0.42
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	8	0.42
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	8	0.42
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	12	0.42
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	12	0.42
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	12	0.42
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	19	0.42
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	19	0.42
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	19	0.42
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	19	0.42
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	19	0.42
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	19	0.42
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	7	0.42
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	7	0.42
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	7	0.42
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	7	0.42
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	7	0.42
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	7	0.42
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE1	19	0.42
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE2	19	0.42
(1,2066)	1:58:A:VAL:HG11	1:62:A:MET:HE3	19	0.42
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE1	19	0.42
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE2	19	0.42
(1,2066)	1:58:A:VAL:HG12	1:62:A:MET:HE3	19	0.42
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE1	19	0.42
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE2	19	0.42
(1,2066)	1:58:A:VAL:HG13	1:62:A:MET:HE3	19	0.42
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	19	0.42
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	19	0.42
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	19	0.42
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	10	0.42
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	10	0.42
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	10	0.42
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	20	0.42
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	20	0.42
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	20	0.42
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	20	0.42
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	20	0.42
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	20	0.42
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	1	0.42
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	1	0.42
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	16	0.42
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	16	0.42
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	16	0.42
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	18	0.42
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	18	0.42
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	18	0.42
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	18	0.42
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	18	0.42
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	18	0.42
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	18	0.42
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	18	0.42
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	18	0.42
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	9	0.42
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	9	0.42
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	9	0.42
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	9	0.42
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	9	0.42
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	9	0.42
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	11	0.42
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	11	0.42
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	11	0.42
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	11	0.42
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	11	0.42
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	11	0.42
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD21	13	0.42
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD22	13	0.42
(1,1944)	1:83:A:LYS:HB2	1:237:A:LEU:HD23	13	0.42
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD21	13	0.42
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD22	13	0.42
(1,1944)	1:83:A:LYS:HB3	1:237:A:LEU:HD23	13	0.42
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD11	17	0.42
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD12	17	0.42
(1,1941)	1:200:A:LEU:H	1:200:A:LEU:HD13	17	0.42
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	18	0.42
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	18	0.42
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	18	0.42
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	19	0.42
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	19	0.42
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	19	0.42
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	19	0.42
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	19	0.42
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	19	0.42
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	19	0.42
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	19	0.42
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	14	0.42
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	14	0.42
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	14	0.42
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	19	0.42
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	19	0.42
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	19	0.42
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	19	0.42
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	19	0.42
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	19	0.42
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	2	0.42
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	5	0.42
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	14	0.42
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	14	0.42
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	14	0.42
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	2	0.42
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	2	0.42
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	12	0.42
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	5	0.42
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	20	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	11	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	11	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	11	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	11	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	14	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	14	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	14	0.42
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	14	0.42
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	17	0.42
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	17	0.42
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	17	0.42
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	18	0.42
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	18	0.42
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	18	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	1	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	1	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	4	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	4	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	9	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	17	0.42
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	17	0.42
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	9	0.42
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	1	0.42
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG2	4	0.42
(1,1589)	1:14:A:GLN:H	1:14:A:GLN:HG3	4	0.42
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	17	0.42
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	17	0.42
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	17	0.42
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	1	0.42
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	4	0.42
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	5	0.42
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	11	0.42
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	11	0.42
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	11	0.42
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	11	0.42
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	11	0.42
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	11	0.42
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	4	0.42
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	4	0.42
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	4	0.42
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	5	0.42
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	5	0.42
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	5	0.42
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	19	0.42
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	19	0.42
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	19	0.42
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	16	0.42
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	16	0.42
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	7	0.42
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	8	0.42
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	6	0.42
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	6	0.42
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	15	0.42
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	5	0.42
(1,1323)	1:115:A:MET:HB2	1:116:A:TRP:H	12	0.42
(1,1323)	1:115:A:MET:HB3	1:116:A:TRP:H	12	0.42
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	3	0.42
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	3	0.42
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	9	0.42
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	10	0.42
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	10	0.42
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	17	0.42
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	17	0.42
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	18	0.42
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	18	0.42
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	17	0.42
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	2	0.42
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	15	0.42
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	13	0.42
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	16	0.42
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	16	0.42
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	17	0.42
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	18	0.42
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	18	0.42
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	18	0.42
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	4	0.42
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	4	0.42
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD2	20	0.42
(1,1198)	1:78:A:PHE:H	1:79:A:PRO:HD3	20	0.42
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	1	0.42
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	20	0.42
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	14	0.42
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	4	0.42
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	4	0.42
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	4	0.42
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	9	0.42
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	10	0.42
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	16	0.42
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	14	0.42
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	18	0.42
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	10	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	4	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	6	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	8	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	9	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	10	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	12	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	13	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	14	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	18	0.42
(1,1124)	1:188:A:PHE:H	1:189:A:LEU:H	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	18	0.42
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	8	0.42
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	8	0.42
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	8	0.42
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	11	0.42
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	6	0.42
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	1	0.42
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	8	0.42
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	8	0.42
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	8	0.42
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	8	0.42
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	11	0.42
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	15	0.42
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	11	0.42
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	4	0.42
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	4	0.42
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	4	0.42
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	5	0.42
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	5	0.42
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	5	0.42
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	19	0.42
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	5	0.42
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	19	0.42
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	15	0.42
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	15	0.42
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	20	0.42
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	7	0.42
(1,1023)	1:114:A:ASN:H	1:115:A:MET:H	19	0.42
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	1	0.42
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	1	0.42
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	1	0.42
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	6	0.42
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	1	0.42
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	17	0.42
(1,968)	1:25:A:TYR:H	1:26:A:ASP:H	17	0.42
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	11	0.42
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	15	0.42
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	19	0.42
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	4	0.42
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	4	0.42
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	4	0.42
(1,943)	1:52:A:GLY:H	1:53:A:MET:H	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	3	0.42
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	3	0.42
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	14	0.42
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	14	0.42
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	1	0.42
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	10	0.42
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	4	0.42
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	11	0.42
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	16	0.42
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	3	0.42
(1,912)	1:37:A:ALA:H	1:38:A:LYS:H	7	0.42
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	1	0.42
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	1	0.42
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	3	0.42
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	10	0.42
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	16	0.42
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	1	0.42
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	8	0.42
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	14	0.42
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	16	0.42
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	1	0.42
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	3	0.42
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	12	0.42
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	13	0.42
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	17	0.42
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	20	0.42
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	20	0.42
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	20	0.42
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	19	0.42
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	19	0.42
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	19	0.42
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	8	0.42
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	8	0.42
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	8	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	1	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	2	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	4	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	5	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	10	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	12	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	13	0.42
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	15	0.42
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	8	0.42
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	8	0.42
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	11	0.42
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	11	0.42
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	11	0.42
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	11	0.42
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.42
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.42
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	20	0.42
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	20	0.42
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	12	0.42
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	9	0.42
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	9	0.42
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	9	0.42
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	1	0.42
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	14	0.42
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	18	0.42
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	1	0.42
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	1	0.42
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	17	0.42
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	17	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	2	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	2	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	2	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	7	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	7	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	7	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	10	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	10	0.42
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	10	0.42
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	6	0.42
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	6	0.42
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	6	0.42
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	15	0.42
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	16	0.42
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	16	0.42
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	16	0.42
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	16	0.42
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	16	0.42
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	16	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	3	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	3	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	12	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	12	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	12	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	13	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	13	0.42
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	13	0.42
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	12	0.42
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	12	0.42
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	1	0.42
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	1	0.42
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	1	0.42
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	4	0.42
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	4	0.42
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	4	0.42
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	15	0.42
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	15	0.42
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	9	0.42
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	9	0.42
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	9	0.42
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	9	0.42
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	17	0.42
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	19	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	2	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	2	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	5	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	5	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	7	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	7	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	18	0.42
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	18	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	2	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	5	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	12	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	15	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	17	0.42
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	18	0.42
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	13	0.42
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	13	0.42
(1,468)	1:61:A:ILE:HG21	1:62:A:MET:H	19	0.42
(1,468)	1:61:A:ILE:HG22	1:62:A:MET:H	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:61:A:ILE:HG23	1:62:A:MET:H	19	0.42
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	10	0.42
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	10	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	3	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	3	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	3	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	7	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	7	0.42
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	7	0.42
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	11	0.42
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	11	0.42
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	9	0.42
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	9	0.42
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	9	0.42
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	9	0.42
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	4	0.42
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	4	0.42
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	10	0.42
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	10	0.42
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	10	0.42
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	10	0.42
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	10	0.42
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	10	0.42
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	18	0.42
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	18	0.42
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	18	0.42
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	18	0.42
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	18	0.42
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	18	0.42
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	17	0.42
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	17	0.42
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	8	0.42
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	8	0.42
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	14	0.42
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	14	0.42
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	3	0.42
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	11	0.42
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	11	0.42
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	11	0.42
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB1	20	0.42
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB2	20	0.42
(1,240)	1:159:A:ALA:HB1	1:170:A:ALA:HB3	20	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB1	20	0.42
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB2	20	0.42
(1,240)	1:159:A:ALA:HB2	1:170:A:ALA:HB3	20	0.42
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB1	20	0.42
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB2	20	0.42
(1,240)	1:159:A:ALA:HB3	1:170:A:ALA:HB3	20	0.42
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	4	0.42
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	4	0.42
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	11	0.42
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	11	0.42
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	11	0.42
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	11	0.42
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	11	0.42
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	11	0.42
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	11	0.42
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	11	0.42
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	11	0.42
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	8	0.42
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	8	0.42
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	8	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	2	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	2	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	4	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	4	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	5	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	5	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	8	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	8	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	10	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	10	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	15	0.42
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	15	0.42
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	18	0.42
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	18	0.42
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	2	0.42
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	8	0.42
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	1	0.42
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	10	0.42
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	11	0.42
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	13	0.42
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	16	0.42
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	10	0.42
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	14	0.42
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	10	0.42
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	11	0.42
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	11	0.42
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	11	0.42
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	10	0.42
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	10	0.42
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	20	0.42
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	20	0.42
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	20	0.42
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	20	0.42
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	11	0.41
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	15	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	3	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	3	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	3	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	18	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	18	0.41
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	18	0.41
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	16	0.41
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	16	0.41
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	16	0.41
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	5	0.41
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	5	0.41
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	5	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	1	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	1	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	1	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	7	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	7	0.41
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	7	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	8	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	8	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	8	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	8	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	8	0.41
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	8	0.41
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	11	0.41
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	11	0.41
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	11	0.41
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	14	0.41
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	14	0.41
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	14	0.41
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	14	0.41
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	14	0.41
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD1	1	0.41
(1,2111)	1:122:A:LEU:HD21	1:238:A:TYR:HD2	1	0.41
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD1	1	0.41
(1,2111)	1:122:A:LEU:HD22	1:238:A:TYR:HD2	1	0.41
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD1	1	0.41
(1,2111)	1:122:A:LEU:HD23	1:238:A:TYR:HD2	1	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	12	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	12	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	12	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	15	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	15	0.41
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	15	0.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	2	0.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	2	0.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	2	0.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	2	0.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	2	0.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	2	0.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	10	0.41
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	10	0.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	10	0.41
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	10	0.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	10	0.41
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	10	0.41
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	16	0.41
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	16	0.41
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	16	0.41
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	16	0.41
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	16	0.41
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	16	0.41
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	16	0.41
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	19	0.41
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	19	0.41
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	19	0.41
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	19	0.41
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	19	0.41
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	16	0.41
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	16	0.41
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	16	0.41
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	7	0.41
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	7	0.41
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	7	0.41
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	6	0.41
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	6	0.41
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	6	0.41
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	6	0.41
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	6	0.41
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	6	0.41
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	6	0.41
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	6	0.41
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	6	0.41
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG21	8	0.41
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG22	8	0.41
(1,2016)	1:55:A:ASN:H	1:58:A:VAL:HG23	8	0.41
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	18	0.41
(1,2006)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	18	0.41
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	18	0.41
(1,2006)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	18	0.41
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	18	0.41
(1,2006)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	18	0.41
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	10	0.41
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	10	0.41
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	10	0.41
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	10	0.41
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	10	0.41
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	10	0.41
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	10	0.41
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	10	0.41
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	10	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	11	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	11	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	11	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	13	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	13	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	16	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	16	0.41
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	16	0.41
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	14	0.41
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	14	0.41
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	14	0.41
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD21	9	0.41
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD22	9	0.41
(1,1959)	1:116:A:TRP:HZ2	1:226:A:LEU:HD23	9	0.41
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	12	0.41
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	12	0.41
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	12	0.41
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	12	0.41
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	12	0.41
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	12	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	3	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	3	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	3	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	3	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	3	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	3	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	18	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	18	0.41
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	18	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	18	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	18	0.41
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	18	0.41
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	16	0.41
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	16	0.41
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	20	0.41
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	20	0.41
(1,1707)	1:59:A:ILE:HB	1:60:A:GLU:H	19	0.41
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	10	0.41
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	10	0.41
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	4	0.41
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	12	0.41
(1,1672)	1:43:A:GLN:H	1:43:A:GLN:HB3	17	0.41
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	7	0.41
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	8	0.41
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	7	0.41
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	17	0.41
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	17	0.41
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	13	0.41
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	8	0.41
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	8	0.41
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	8	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	2	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	2	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	3	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	3	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	5	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	5	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	15	0.41
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	15	0.41
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	18	0.41
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	7	0.41
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG21	2	0.41
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG22	2	0.41
(1,1578)	1:215:A:THR:H	1:215:A:THR:HG23	2	0.41
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	3	0.41
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	10	0.41
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	5	0.41
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	5	0.41
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	5	0.41
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	14	0.41
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	14	0.41
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	14	0.41
(1,1529)	1:193:A:THR:HG21	1:194:A:HIS:H	16	0.41
(1,1529)	1:193:A:THR:HG22	1:194:A:HIS:H	16	0.41
(1,1529)	1:193:A:THR:HG23	1:194:A:HIS:H	16	0.41
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	10	0.41
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	10	0.41
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	19	0.41
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	19	0.41
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	13	0.41
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	13	0.41
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	13	0.41
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	13	0.41
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	18	0.41
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	18	0.41
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	18	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	18	0.41
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	5	0.41
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	5	0.41
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	9	0.41
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	9	0.41
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	5	0.41
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	5	0.41
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	8	0.41
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	8	0.41
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	4	0.41
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	4	0.41
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	4	0.41
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	11	0.41
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	11	0.41
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	1	0.41
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	1	0.41
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	8	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	1	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	1	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	8	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	8	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	11	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	11	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	13	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	13	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	14	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	14	0.41
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	19	0.41
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	19	0.41
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	3	0.41
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	14	0.41
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	8	0.41
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	8	0.41
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	4	0.41
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	4	0.41
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	4	0.41
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	4	0.41
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	9	0.41
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	11	0.41
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	3	0.41
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	10	0.41
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	19	0.41
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	13	0.41
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	13	0.41
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	13	0.41
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	13	0.41
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	11	0.41
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	10	0.41
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	10	0.41
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	19	0.41
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	19	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	1	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	9	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	11	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	13	0.41
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	16	0.41
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	7	0.41
(1,1119)	1:185:A:GLY:H	1:186:A:ILE:H	17	0.41
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	14	0.41
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	20	0.41
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	1	0.41
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	7	0.41
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	19	0.41
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	19	0.41
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	19	0.41
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	19	0.41
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	1	0.41
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	6	0.41
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	16	0.41
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	20	0.41
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	15	0.41
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	7	0.41
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	9	0.41
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	17	0.41
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	7	0.41
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	9	0.41
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	17	0.41
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	13	0.41
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	5	0.41
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	5	0.41
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	18	0.41
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	18	0.41
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	12	0.41
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	8	0.41
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	9	0.41
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	10	0.41
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	13	0.41
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	13	0.41
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	14	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	1	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	1	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	1	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	18	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	18	0.41
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	18	0.41
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	13	0.41
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	14	0.41
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	17	0.41
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	2	0.41
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	15	0.41
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	19	0.41
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	7	0.41
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	18	0.41
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	13	0.41
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	13	0.41
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	7	0.41
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	13	0.41
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	15	0.41
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	4	0.41
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	15	0.41
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	19	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	1	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	7	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	11	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	13	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	15	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	17	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	18	0.41
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	19	0.41
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	14	0.41
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	14	0.41
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	14	0.41
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	14	0.41
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	14	0.41
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	15	0.41
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	7	0.41
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	19	0.41
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	19	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	6	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	6	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	6	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	6	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	6	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	6	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	10	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	10	0.41
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	10	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	10	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	10	0.41
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	10	0.41
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	7	0.41
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	16	0.41
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	18	0.41
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	4	0.41
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	5	0.41
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	12	0.41
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	20	0.41
(1,724)	1:97:A:THR:HG21	1:99:A:ASP:HA	6	0.41
(1,724)	1:97:A:THR:HG22	1:99:A:ASP:HA	6	0.41
(1,724)	1:97:A:THR:HG23	1:99:A:ASP:HA	6	0.41
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	10	0.41
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	17	0.41
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	17	0.41
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	17	0.41
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	17	0.41
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	17	0.41
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	17	0.41
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	17	0.41
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	17	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	17	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	17	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	17	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	17	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	17	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE1	20	0.41
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE2	20	0.41
(1,685)	1:59:A:ILE:HD11	1:62:A:MET:HE3	20	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE1	20	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE2	20	0.41
(1,685)	1:59:A:ILE:HD12	1:62:A:MET:HE3	20	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE1	20	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE2	20	0.41
(1,685)	1:59:A:ILE:HD13	1:62:A:MET:HE3	20	0.41
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	12	0.41
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	12	0.41
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	14	0.41
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	14	0.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG21	16	0.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG22	16	0.41
(1,660)	1:51:A:THR:HA	1:51:A:THR:HG23	16	0.41
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	14	0.41
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	14	0.41
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	14	0.41
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	14	0.41
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	14	0.41
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	14	0.41
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	16	0.41
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	16	0.41
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	16	0.41
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	11	0.41
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	11	0.41
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	15	0.41
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	15	0.41
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	9	0.41
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	9	0.41
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	18	0.41
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	18	0.41
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	13	0.41
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	6	0.41
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	19	0.41
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	15	0.41
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	15	0.41
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	15	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	1	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	1	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	3	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	8	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	8	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	11	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	11	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	12	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	12	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	13	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	13	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	14	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	14	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	16	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	16	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	19	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	19	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	20	0.41
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	20	0.41
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	10	0.41
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	7	0.41
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	11	0.41
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	14	0.41
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	20	0.41
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	13	0.41
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	17	0.41
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	20	0.41
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	8	0.41
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	8	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	6	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	6	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	6	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	10	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	10	0.41
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	10	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	12	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	12	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	12	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	14	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	14	0.41
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	14	0.41
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	6	0.41
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	6	0.41
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	3	0.41
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	3	0.41
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	3	0.41
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	18	0.41
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	15	0.41
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	15	0.41
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	15	0.41
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	15	0.41
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	15	0.41
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	15	0.41
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	14	0.41
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	14	0.41
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	18	0.41
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	18	0.41
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	18	0.41
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	18	0.41
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	18	0.41
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	18	0.41
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	5	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	3	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	3	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	4	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	4	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	5	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	5	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	8	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	8	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	16	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	16	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	18	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	18	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	19	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	19	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	20	0.41
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	20	0.41
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	10	0.41
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	10	0.41
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	10	0.41
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG2	9	0.41
(1,290)	1:14:A:GLN:HA	1:14:A:GLN:HG3	9	0.41
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	13	0.41
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	6	0.41
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	17	0.41
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	17	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	3	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	3	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	3	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	3	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	12	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	12	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	12	0.41
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	12	0.41
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	7	0.41
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	7	0.41
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	7	0.41
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	7	0.41
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	10	0.41
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	10	0.41
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	10	0.41
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	10	0.41
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	13	0.41
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	1	0.41
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	1	0.41
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	7	0.41
(1,104)	1:103:A:ILE:HA	1:106:A:ASP:H	8	0.41
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	14	0.41
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	14	0.41
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	6	0.41
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	12	0.41
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	12	0.41
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	12	0.41
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	2	0.41
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	2	0.41
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	14	0.41
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	14	0.41
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	13	0.4
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	16	0.4
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	17	0.4
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	8	0.4
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	8	0.4
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	8	0.4
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	14	0.4
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	14	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	3	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	3	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	3	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	5	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	5	0.4
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	5	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	3	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	3	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	3	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	13	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	13	0.4
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	13	0.4
(1,2187)	1:89:A:VAL:HG11	1:134:A:ILE:H	5	0.4
(1,2187)	1:89:A:VAL:HG12	1:134:A:ILE:H	5	0.4
(1,2187)	1:89:A:VAL:HG13	1:134:A:ILE:H	5	0.4
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	19	0.4
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	19	0.4
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	19	0.4
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	1	0.4
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	1	0.4
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	1	0.4
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	1	0.4
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	1	0.4
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	1	0.4
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	8	0.4
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	8	0.4
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	8	0.4
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	15	0.4
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	15	0.4
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	15	0.4
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	15	0.4
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	15	0.4
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	15	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	7	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	7	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	7	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	18	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	18	0.4
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	18	0.4
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	12	0.4
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	12	0.4
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	3	0.4
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	3	0.4
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	3	0.4
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD11	8	0.4
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD12	8	0.4
(1,2005)	1:113:A:LEU:H	1:113:A:LEU:HD13	8	0.4
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	9	0.4
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	9	0.4
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	9	0.4
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	4	0.4
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	4	0.4
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	4	0.4
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	4	0.4
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	4	0.4
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	4	0.4
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	6	0.4
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	6	0.4
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	6	0.4
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	6	0.4
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	6	0.4
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	6	0.4
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD11	13	0.4
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD12	13	0.4
(1,1956)	1:83:A:LYS:HD2	1:237:A:LEU:HD13	13	0.4
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD11	13	0.4
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD12	13	0.4
(1,1956)	1:83:A:LYS:HD3	1:237:A:LEU:HD13	13	0.4
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	16	0.4
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	16	0.4
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	16	0.4
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	16	0.4
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	16	0.4
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	16	0.4
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	16	0.4
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	16	0.4
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	16	0.4
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	18	0.4
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	18	0.4
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	18	0.4
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	14	0.4
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	14	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	6	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	6	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	6	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	6	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	6	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	6	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	6	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	6	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	6	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	18	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	18	0.4
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	18	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	18	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	18	0.4
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	18	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	18	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	18	0.4
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	18	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	1	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	1	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	1	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	1	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	1	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	1	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	1	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	1	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	1	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	17	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	17	0.4
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	17	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	17	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	17	0.4
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	17	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	17	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	17	0.4
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	17	0.4
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	2	0.4
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	2	0.4
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	18	0.4
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	18	0.4
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	18	0.4
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	18	0.4
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	18	0.4
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	19	0.4
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	13	0.4
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	13	0.4
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	13	0.4
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	13	0.4
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	6	0.4
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	6	0.4
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	12	0.4
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	12	0.4
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	12	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	7	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	7	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	14	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	14	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	16	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	16	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	19	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	19	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA2	20	0.4
(1,1608)	1:238:A:TYR:H	1:239:A:GLY:HA3	20	0.4
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	10	0.4
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	3	0.4
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	20	0.4
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	20	0.4
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	3	0.4
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	3	0.4
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	3	0.4
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	3	0.4
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	16	0.4
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	16	0.4
(1,1479)	1:172:A:PHE:HB3	1:173:A:ASP:H	16	0.4
(1,1479)	1:172:A:PHE:HB2	1:173:A:ASP:H	16	0.4
(1,1472)	1:159:A:ALA:HB1	1:171:A:HIS:H	18	0.4
(1,1472)	1:159:A:ALA:HB2	1:171:A:HIS:H	18	0.4
(1,1472)	1:159:A:ALA:HB3	1:171:A:HIS:H	18	0.4
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	4	0.4
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	7	0.4
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	1	0.4
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	1	0.4
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG2	3	0.4
(1,1396)	1:135:A:MET:H	1:135:A:MET:HG3	3	0.4
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	6	0.4
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	4	0.4
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	8	0.4
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	11	0.4
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	13	0.4
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	17	0.4
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	13	0.4
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	13	0.4
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	10	0.4
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	7	0.4
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	7	0.4
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	9	0.4
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	9	0.4
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	17	0.4
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	17	0.4
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	5	0.4
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	9	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	12	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	12	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	12	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	14	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	14	0.4
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	14	0.4
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	2	0.4
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	2	0.4
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	4	0.4
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	4	0.4
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	7	0.4
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	7	0.4
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	1	0.4
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	1	0.4
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	12	0.4
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	12	0.4
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	11	0.4
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	18	0.4
(1,1255)	1:97:A:THR:HB	1:98:A:ARG:H	16	0.4
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	7	0.4
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	7	0.4
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	4	0.4
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	4	0.4
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	19	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	7	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	7	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	7	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	12	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	12	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	12	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	17	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	17	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	17	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	20	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	20	0.4
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	20	0.4
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	6	0.4
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	18	0.4
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	18	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	3	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	6	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	15	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	16	0.4
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	17	0.4
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	1	0.4
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	7	0.4
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	7	0.4
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	12	0.4
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	12	0.4
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	6	0.4
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	6	0.4
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	6	0.4
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	12	0.4
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	12	0.4
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	2	0.4
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	12	0.4
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	6	0.4
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	10	0.4
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	19	0.4
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	13	0.4
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	15	0.4
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	7	0.4
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	13	0.4
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	13	0.4
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	13	0.4
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	13	0.4
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	15	0.4
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	14	0.4
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	19	0.4
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	15	0.4
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	15	0.4
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	15	0.4
(1,1068)	1:139:A:ALA:HB1	1:143:A:HIS:H	18	0.4
(1,1068)	1:139:A:ALA:HB2	1:143:A:HIS:H	18	0.4
(1,1068)	1:139:A:ALA:HB3	1:143:A:HIS:H	18	0.4
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	4	0.4
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	3	0.4
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	4	0.4
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	13	0.4
(1,1056)	1:134:A:ILE:H	1:134:A:ILE:HG12	1	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	3	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	3	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	3	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	8	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	8	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	8	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD11	9	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD12	9	0.4
(1,1054)	1:134:A:ILE:H	1:134:A:ILE:HD13	9	0.4
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	15	0.4
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	11	0.4
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	5	0.4
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	9	0.4
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	9	0.4
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	5	0.4
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	13	0.4
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	1	0.4
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	11	0.4
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	16	0.4
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	5	0.4
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	5	0.4
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	5	0.4
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	19	0.4
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	19	0.4
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	4	0.4
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	9	0.4
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	10	0.4
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	13	0.4
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	5	0.4
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	17	0.4
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	1	0.4
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	1	0.4
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	1	0.4
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	7	0.4
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	18	0.4
(1,927)	1:43:A:GLN:H	1:44:A:LYS:H	10	0.4
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	15	0.4
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	5	0.4
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	9	0.4
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	13	0.4
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	20	0.4
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	2	0.4
(1,856)	1:231:A:ILE:HB	1:232:A:LYS:HA	10	0.4
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	14	0.4
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	14	0.4
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	14	0.4
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	6	0.4
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	20	0.4
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	2	0.4
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	7	0.4
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	8	0.4
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	11	0.4
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	11	0.4
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	11	0.4
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	11	0.4
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	11	0.4
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	11	0.4
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	13	0.4
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	15	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	7	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	7	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	7	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	18	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	18	0.4
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	17	0.4
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD11	14	0.4
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD12	14	0.4
(1,622)	1:231:A:ILE:HB	1:231:A:ILE:HD13	14	0.4
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	20	0.4
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	20	0.4
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	20	0.4
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	12	0.4
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	12	0.4
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	12	0.4
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	14	0.4
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	14	0.4
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	14	0.4
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	14	0.4
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	14	0.4
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	14	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	12	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	12	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	12	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	12	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	12	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	12	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	14	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	14	0.4
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	14	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	14	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	14	0.4
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	14	0.4
(1,542)	1:231:A:ILE:HG21	1:232:A:LYS:HA	16	0.4
(1,542)	1:231:A:ILE:HG22	1:232:A:LYS:HA	16	0.4
(1,542)	1:231:A:ILE:HG23	1:232:A:LYS:HA	16	0.4
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	10	0.4
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	20	0.4
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	13	0.4
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	18	0.4
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	1	0.4
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	1	0.4
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	9	0.4
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	9	0.4
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	9	0.4
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	9	0.4
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	9	0.4
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	15	0.4
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	15	0.4
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	15	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	4	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	4	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	4	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	16	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	16	0.4
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	16	0.4
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	1	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	6	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	6	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	6	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	6	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	6	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	6	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	9	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	9	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	9	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	9	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	9	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	9	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	11	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	11	0.4
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	11	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	11	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	11	0.4
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	11	0.4
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	6	0.4
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	6	0.4
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	6	0.4
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	6	0.4
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	5	0.4
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	5	0.4
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	5	0.4
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	5	0.4
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	5	0.4
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	5	0.4
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	5	0.4
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	7	0.4
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	9	0.4
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	9	0.4
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	10	0.4
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	10	0.4
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	19	0.4
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	19	0.4
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	17	0.4
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	17	0.4
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	16	0.4
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	16	0.4
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	13	0.4
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	13	0.4
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	15	0.4
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	15	0.4
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	11	0.4
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	11	0.4
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	8	0.4
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	8	0.4
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	6	0.4
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	6	0.4
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	6	0.4
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	5	0.4
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	5	0.4
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	5	0.4
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	5	0.4
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	5	0.4
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	5	0.4
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	16	0.4
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	16	0.4
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	16	0.4
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	16	0.4
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	16	0.4
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	16	0.4
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	14	0.4
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	4	0.4
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	14	0.4
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	14	0.4
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	14	0.4
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	14	0.4
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	3	0.4
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	10	0.4
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	4	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	11	0.4
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	13	0.4
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	15	0.4
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	16	0.4
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	5	0.4
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	5	0.4
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	9	0.4
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	4	0.4
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	15	0.4
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	15	0.4
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	6	0.4
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	6	0.4
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	19	0.39
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	20	0.39
(1,2186)	1:127:A:VAL:HG11	1:133:A:ASP:H	15	0.39
(1,2186)	1:127:A:VAL:HG12	1:133:A:ASP:H	15	0.39
(1,2186)	1:127:A:VAL:HG13	1:133:A:ASP:H	15	0.39
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	1	0.39
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	1	0.39
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	1	0.39
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	8	0.39
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	8	0.39
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	8	0.39
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	3	0.39
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	3	0.39
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	12	0.39
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	12	0.39
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	12	0.39
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	12	0.39
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	12	0.39
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	12	0.39
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	12	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	12	0.39
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	12	0.39
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	12	0.39
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	12	0.39
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	12	0.39
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	20	0.39
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	20	0.39
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	20	0.39
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	4	0.39
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	4	0.39
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	4	0.39
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	4	0.39
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	4	0.39
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	4	0.39
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	4	0.39
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	19	0.39
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	19	0.39
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	19	0.39
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	19	0.39
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	19	0.39
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	19	0.39
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	19	0.39
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	19	0.39
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	19	0.39
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	16	0.39
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	16	0.39
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	16	0.39
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	16	0.39
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	16	0.39
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	16	0.39
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	16	0.39
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	16	0.39
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	16	0.39
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	19	0.39
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	19	0.39
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	19	0.39
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	19	0.39
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	19	0.39
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	19	0.39
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	19	0.39
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	19	0.39
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	14	0.39
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	14	0.39
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	14	0.39
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	14	0.39
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	14	0.39
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	14	0.39
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD11	10	0.39
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD12	10	0.39
(1,1980)	1:116:A:TRP:HE3	1:226:A:LEU:HD13	10	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	8	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	8	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	8	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	10	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	10	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	10	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	12	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	12	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	12	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	15	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	15	0.39
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	15	0.39
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	10	0.39
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	10	0.39
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	10	0.39
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	10	0.39
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	10	0.39
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	10	0.39
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	14	0.39
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	14	0.39
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	14	0.39
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	14	0.39
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	14	0.39
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	14	0.39
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	14	0.39
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	14	0.39
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	14	0.39
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	6	0.39
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	6	0.39
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	6	0.39
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	6	0.39
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	6	0.39
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	4	0.39
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	4	0.39
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	4	0.39
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	4	0.39
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	4	0.39
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	4	0.39
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	4	0.39
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	4	0.39
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	9	0.39
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	9	0.39
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	9	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	12	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	12	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	12	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	12	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	12	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	12	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	18	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	18	0.39
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	18	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	18	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	18	0.39
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	18	0.39
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD2	9	0.39
(1,1782)	1:241:A:ARG:H	1:241:A:ARG:HD3	9	0.39
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	11	0.39
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	7	0.39
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	17	0.39
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	18	0.39
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	18	0.39
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	18	0.39
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	9	0.39
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	9	0.39
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	9	0.39
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	18	0.39
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	18	0.39
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG21	12	0.39
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG22	12	0.39
(1,1690)	1:51:A:THR:H	1:51:A:THR:HG23	12	0.39
(1,1680)	1:44:A:LYS:HB2	1:45:A:PHE:H	5	0.39
(1,1680)	1:44:A:LYS:HB3	1:45:A:PHE:H	5	0.39
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	3	0.39
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	5	0.39
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	12	0.39
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	19	0.39
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	19	0.39
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	19	0.39
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	2	0.39
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	2	0.39
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	5	0.39
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	5	0.39
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	19	0.39
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	19	0.39
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	2	0.39
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	2	0.39
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	2	0.39
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	2	0.39
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	17	0.39
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	7	0.39
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	11	0.39
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	14	0.39
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	17	0.39
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	18	0.39
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	10	0.39
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	20	0.39
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	20	0.39
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	10	0.39
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	16	0.39
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	16	0.39
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	16	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	17	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	17	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	17	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	18	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	18	0.39
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	18	0.39
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	2	0.39
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	18	0.39
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	18	0.39
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	18	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	8	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	8	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	8	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	8	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB2	8	0.39
(1,1397)	1:135:A:MET:H	1:135:A:MET:HB3	8	0.39
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	16	0.39
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	15	0.39
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	1	0.39
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	18	0.39
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	18	0.39
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	18	0.39
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	9	0.39
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	5	0.39
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	5	0.39
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	13	0.39
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	13	0.39
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	6	0.39
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	12	0.39
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	14	0.39
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	7	0.39
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	7	0.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	13	0.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	13	0.39
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	13	0.39
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	8	0.39
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	16	0.39
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	16	0.39
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	17	0.39
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	5	0.39
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	5	0.39
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	8	0.39
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	8	0.39
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	15	0.39
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	2	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	3	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	3	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	3	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	18	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	18	0.39
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	18	0.39
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	4	0.39
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	4	0.39
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	9	0.39
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	9	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	1	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	2	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	4	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	5	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	7	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	8	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	10	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	11	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	12	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	14	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	18	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	19	0.39
(1,1164)	1:229:A:ASP:H	1:230:A:ASP:H	20	0.39
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	15	0.39
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	5	0.39
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	15	0.39
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	20	0.39
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	1	0.39
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	13	0.39
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	1	0.39
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	1	0.39
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	18	0.39
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	18	0.39
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	20	0.39
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	14	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	18	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	6	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	9	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	12	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	14	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	19	0.39
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	20	0.39
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	16	0.39
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	14	0.39
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	4	0.39
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	3	0.39
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	17	0.39
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	1	0.39
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	5	0.39
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	11	0.39
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	11	0.39
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	18	0.39
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	18	0.39
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	15	0.39
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	14	0.39
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	19	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	1	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	1	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	2	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	2	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	4	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	4	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	6	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	6	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	7	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	7	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	8	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	8	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	9	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	9	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	11	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	11	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	16	0.39
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	16	0.39
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	9	0.39
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	11	0.39
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	18	0.39
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	20	0.39
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	4	0.39
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	18	0.39
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	16	0.39
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	16	0.39
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	16	0.39
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	6	0.39
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	18	0.39
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	20	0.39
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	6	0.39
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	6	0.39
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	6	0.39
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	16	0.39
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	3	0.39
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	8	0.39
(1,934)	1:46:A:PHE:H	1:47:A:GLY:H	4	0.39
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	10	0.39
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	10	0.39
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	19	0.39
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	4	0.39
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	4	0.39
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	16	0.39
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	6	0.39
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	12	0.39
(1,885)	1:14:A:GLN:H	1:15:A:ALA:H	12	0.39
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	16	0.39
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	5	0.39
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	5	0.39
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	5	0.39
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	11	0.39
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	11	0.39
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	11	0.39
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	10	0.39
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	10	0.39
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	10	0.39
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	10	0.39
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	10	0.39
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	10	0.39
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	9	0.39
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	9	0.39
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	9	0.39
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	9	0.39
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	9	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	3	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	8	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	9	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	11	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	17	0.39
(1,774)	1:127:A:VAL:H	1:127:A:VAL:HB	19	0.39
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	3	0.39
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	14	0.39
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	19	0.39
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	5	0.39
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	5	0.39
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	5	0.39
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	19	0.39
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	19	0.39
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	19	0.39
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	14	0.39
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	14	0.39
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	19	0.39
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	19	0.39
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	2	0.39
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	2	0.39
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	5	0.39
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	5	0.39
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	5	0.39
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	7	0.39
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	7	0.39
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	7	0.39
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	7	0.39
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	7	0.39
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	7	0.39
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	7	0.39
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	19	0.39
(1,602)	1:120:A:ILE:HD11	1:234:A:ILE:HG13	19	0.39
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	19	0.39
(1,602)	1:120:A:ILE:HD12	1:234:A:ILE:HG13	19	0.39
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	19	0.39
(1,602)	1:120:A:ILE:HD13	1:234:A:ILE:HG13	19	0.39
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	11	0.39
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	11	0.39
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	9	0.39
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	9	0.39
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	2	0.39
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	2	0.39
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	18	0.39
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	18	0.39
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	18	0.39
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	18	0.39
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	18	0.39
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	18	0.39
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	8	0.39
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	18	0.39
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	14	0.39
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	15	0.39
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	17	0.39
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	3	0.39
(1,513)	1:102:A:HIS:HA	1:105:A:VAL:H	10	0.39
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	1	0.39
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	5	0.39
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	9	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	6	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	6	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	11	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	11	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	14	0.39
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	14	0.39
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	11	0.39
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	11	0.39
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	11	0.39
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	11	0.39
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	11	0.39
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	11	0.39
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	4	0.39
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	4	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	7	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	7	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	7	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	11	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	11	0.39
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	11	0.39
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	13	0.39
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	13	0.39
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	13	0.39
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	13	0.39
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	13	0.39
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	13	0.39
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	8	0.39
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	8	0.39
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	20	0.39
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	20	0.39
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	20	0.39
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	20	0.39
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	20	0.39
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	20	0.39
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	18	0.39
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	18	0.39
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	18	0.39
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	18	0.39
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	18	0.39
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	18	0.39
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	7	0.39
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	12	0.39
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	12	0.39
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	12	0.39
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	12	0.39
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	12	0.39
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	14	0.39
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	14	0.39
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	6	0.39
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	6	0.39
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	13	0.39
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	13	0.39
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	17	0.39
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	17	0.39
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	17	0.39
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	17	0.39
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	17	0.39
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	17	0.39
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	1	0.39
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	1	0.39
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	4	0.39
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	13	0.39
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	13	0.39
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	13	0.39
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.39
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.39
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.39
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	6	0.39
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	6	0.39
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	6	0.39
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	6	0.39
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	6	0.39
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	6	0.39
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	6	0.39
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	6	0.39
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	6	0.39
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	3	0.39
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	3	0.39
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	3	0.39
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	3	0.39
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	17	0.39
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	17	0.39
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	17	0.39
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	17	0.39
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	17	0.39
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	17	0.39
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	6	0.39
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	6	0.39
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	6	0.39
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	19	0.39
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	19	0.39
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	19	0.39
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	12	0.39
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	12	0.39
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	12	0.39
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	12	0.39
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	12	0.39
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	12	0.39
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	17	0.39
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	17	0.39
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	17	0.39
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	17	0.39
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	17	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	17	0.39
(1,151)	1:154:A:ASN:HB2	1:155:A:THR:H	12	0.39
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	7	0.39
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	20	0.39
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	20	0.39
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	10	0.39
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	12	0.39
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	18	0.39
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	20	0.39
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	1	0.39
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	20	0.39
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	3	0.39
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	3	0.39
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	3	0.39
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	18	0.39
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	18	0.39
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	18	0.39
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	11	0.39
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	11	0.39
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	16	0.39
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	16	0.39
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	14	0.39
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	19	0.39
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	20	0.39
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	20	0.39
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	2	0.38
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	7	0.38
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	10	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	17	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	17	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	17	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	19	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	19	0.38
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	19	0.38
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	10	0.38
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	10	0.38
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	10	0.38
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	1	0.38
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	1	0.38
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	1	0.38
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	6	0.38
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	6	0.38
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	8	0.38
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	8	0.38
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	8	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	7	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	7	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	7	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	8	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	8	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	8	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	9	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	9	0.38
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	9	0.38
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	1	0.38
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	1	0.38
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	1	0.38
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	7	0.38
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	7	0.38
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	7	0.38
(1,2159)	1:58:A:VAL:HG21	1:59:A:ILE:H	15	0.38
(1,2159)	1:58:A:VAL:HG22	1:59:A:ILE:H	15	0.38
(1,2159)	1:58:A:VAL:HG23	1:59:A:ILE:H	15	0.38
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	2	0.38
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	2	0.38
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	2	0.38
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	20	0.38
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	20	0.38
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	20	0.38
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	10	0.38
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	10	0.38
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	10	0.38
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	10	0.38
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	10	0.38
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	10	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	4	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	4	0.38
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	4	0.38
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	4	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	4	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	4	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	6	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	6	0.38
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	6	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	6	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	6	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	19	0.38
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	19	0.38
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	19	0.38
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	19	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	19	0.38
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	19	0.38
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	5	0.38
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	5	0.38
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	5	0.38
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	5	0.38
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	5	0.38
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	5	0.38
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	5	0.38
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	16	0.38
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	16	0.38
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	16	0.38
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	16	0.38
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	16	0.38
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	16	0.38
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	10	0.38
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	10	0.38
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	10	0.38
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	15	0.38
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	15	0.38
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	15	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	15	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	15	0.38
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	15	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	15	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	15	0.38
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	15	0.38
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	6	0.38
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	6	0.38
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	16	0.38
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	16	0.38
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	16	0.38
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	11	0.38
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	11	0.38
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	11	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	2	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	2	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	2	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	2	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	2	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	2	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	7	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	7	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	7	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	7	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	7	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	7	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG2	20	0.38
(1,1964)	1:156:A:LEU:HD21	1:176:A:GLU:HG3	20	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG2	20	0.38
(1,1964)	1:156:A:LEU:HD22	1:176:A:GLU:HG3	20	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG2	20	0.38
(1,1964)	1:156:A:LEU:HD23	1:176:A:GLU:HG3	20	0.38
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	14	0.38
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	14	0.38
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	14	0.38
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	14	0.38
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	14	0.38
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	14	0.38
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	20	0.38
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	20	0.38
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	20	0.38
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	10	0.38
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	10	0.38
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	10	0.38
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	4	0.38
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	4	0.38
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	4	0.38
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	4	0.38
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	4	0.38
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	4	0.38
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	4	0.38
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	4	0.38
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	1	0.38
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	1	0.38
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	1	0.38
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	2	0.38
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	2	0.38
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	2	0.38
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	8	0.38
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	8	0.38
(1,1842)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	8	0.38
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	8	0.38
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	8	0.38
(1,1842)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	8	0.38
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	8	0.38
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	8	0.38
(1,1842)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	8	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	2	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	2	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	2	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	2	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	2	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	2	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	10	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	10	0.38
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	10	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	10	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	10	0.38
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	10	0.38
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	9	0.38
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	9	0.38
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	9	0.38
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	9	0.38
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	9	0.38
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	9	0.38
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	12	0.38
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	4	0.38
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	4	0.38
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	15	0.38
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	1	0.38
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	2	0.38
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	15	0.38
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	20	0.38
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	7	0.38
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	9	0.38
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	1	0.38
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	1	0.38
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	1	0.38
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	1	0.38
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	13	0.38
(1,1610)	1:237:A:LEU:HB2	1:238:A:TYR:H	13	0.38
(1,1610)	1:237:A:LEU:HB3	1:238:A:TYR:H	13	0.38
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	10	0.38
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	7	0.38
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	18	0.38
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	15	0.38
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	18	0.38
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	16	0.38
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	16	0.38
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	16	0.38
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	18	0.38
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	18	0.38
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	18	0.38
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	20	0.38
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	20	0.38
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	20	0.38
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	15	0.38
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	15	0.38
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	1	0.38
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	9	0.38
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	13	0.38
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	3	0.38
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	3	0.38
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	4	0.38
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	4	0.38
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	18	0.38
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	18	0.38
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	4	0.38
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	17	0.38
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG21	8	0.38
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG22	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:155:A:THR:H	1:155:A:THR:HG23	8	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	10	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	10	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	10	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	10	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	11	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	11	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	11	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	11	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	20	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	20	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	20	0.38
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	20	0.38
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	6	0.38
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	13	0.38
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	13	0.38
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	13	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	3	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	7	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	9	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	12	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	15	0.38
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	18	0.38
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	14	0.38
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	11	0.38
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	11	0.38
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	17	0.38
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	19	0.38
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	20	0.38
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	4	0.38
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	4	0.38
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	4	0.38
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	7	0.38
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	7	0.38
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	7	0.38
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	15	0.38
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	20	0.38
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	14	0.38
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	14	0.38
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	18	0.38
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	18	0.38
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	16	0.38
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	17	0.38
(1,1174)	1:235:A:GLN:H	1:236:A:LYS:H	12	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	9	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	9	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	9	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	14	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	14	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	14	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD11	19	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD12	19	0.38
(1,1173)	1:234:A:ILE:H	1:234:A:ILE:HD13	19	0.38
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	16	0.38
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	16	0.38
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	17	0.38
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	17	0.38
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	18	0.38
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	3	0.38
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	7	0.38
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	11	0.38
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	16	0.38
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	16	0.38
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	8	0.38
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	15	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	1	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	9	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	11	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	13	0.38
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	16	0.38
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	3	0.38
(1,1126)	1:232:A:LYS:H	1:233:A:GLY:H	18	0.38
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	3	0.38
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	13	0.38
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	3	0.38
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	11	0.38
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	6	0.38
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	12	0.38
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	14	0.38
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	5	0.38
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	19	0.38
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	7	0.38
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	14	0.38
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	9	0.38
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	12	0.38
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	12	0.38
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	12	0.38
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	18	0.38
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	19	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	3	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	3	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	5	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	5	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	10	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	10	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	12	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	12	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	13	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	13	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	14	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	14	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	15	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	15	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	17	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	17	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	18	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	18	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	19	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	19	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	20	0.38
(1,1018)	1:110:A:SER:H	1:111:A:LYS:H	20	0.38
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	10	0.38
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	10	0.38
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	12	0.38
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	12	0.38
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	2	0.38
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	14	0.38
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	17	0.38
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	13	0.38
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	13	0.38
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	13	0.38
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	11	0.38
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	1	0.38
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	12	0.38
(1,952)	1:59:A:ILE:H	1:60:A:GLU:H	9	0.38
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	18	0.38
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	8	0.38
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	14	0.38
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	16	0.38
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	16	0.38
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	1	0.38
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	8	0.38
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	19	0.38
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	6	0.38
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	3	0.38
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	11	0.38
(1,891)	1:16:A:GLN:H	1:17:A:ASP:H	19	0.38
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	16	0.38
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	16	0.38
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	16	0.38
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	2	0.38
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	2	0.38
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	17	0.38
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	17	0.38
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	17	0.38
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	17	0.38
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	17	0.38
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	17	0.38
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	3	0.38
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	3	0.38
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	3	0.38
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	6	0.38
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	6	0.38
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	17	0.38
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	17	0.38
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.38
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB2	20	0.38
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.38
(1,767)	1:123:A:HIS:H	1:123:A:HIS:HB3	20	0.38
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	6	0.38
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	17	0.38
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	20	0.38
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	1	0.38
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	1	0.38
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	11	0.38
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	13	0.38
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	13	0.38
(1,664)	1:57:A:ARG:HB2	1:58:A:VAL:H	13	0.38
(1,664)	1:57:A:ARG:HB3	1:58:A:VAL:H	13	0.38
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	2	0.38
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	2	0.38
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	2	0.38
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	17	0.38
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	17	0.38
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	17	0.38
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	12	0.38
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	12	0.38
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	12	0.38
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	12	0.38
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	12	0.38
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	12	0.38
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	5	0.38
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	5	0.38
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	5	0.38
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	16	0.38
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	16	0.38
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	16	0.38
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	15	0.38
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	20	0.38
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	2	0.38
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	5	0.38
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	6	0.38
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	20	0.38
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	3	0.38
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	6	0.38
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	12	0.38
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	14	0.38
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	3	0.38
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	3	0.38
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	3	0.38
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	10	0.38
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	10	0.38
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	4	0.38
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	5	0.38
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB2	5	0.38
(1,456)	1:122:A:LEU:H	1:122:A:LEU:HB3	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	9	0.38
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	9	0.38
(1,451)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	9	0.38
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	20	0.38
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	20	0.38
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	20	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	5	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	5	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	5	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	5	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	5	0.38
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	5	0.38
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	5	0.38
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	8	0.38
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	8	0.38
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	8	0.38
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	8	0.38
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	8	0.38
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	8	0.38
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	8	0.38
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	8	0.38
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	8	0.38
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	8	0.38
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	8	0.38
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	8	0.38
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	8	0.38
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	16	0.38
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	16	0.38
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	16	0.38
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	16	0.38
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	16	0.38
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	16	0.38
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	2	0.38
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	2	0.38
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	2	0.38
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	2	0.38
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	2	0.38
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	2	0.38
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	2	0.38
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	2	0.38
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	8	0.38
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	2	0.38
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	4	0.38
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	10	0.38
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	10	0.38
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	10	0.38
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	16	0.38
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	16	0.38
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	16	0.38
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	14	0.38
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	14	0.38
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	19	0.38
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	19	0.38
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	19	0.38
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	11	0.38
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	11	0.38
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE1	1	0.38
(1,324)	1:115:A:MET:HE1	1:224:A:PHE:HE2	1	0.38
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE1	1	0.38
(1,324)	1:115:A:MET:HE2	1:224:A:PHE:HE2	1	0.38
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE1	1	0.38
(1,324)	1:115:A:MET:HE3	1:224:A:PHE:HE2	1	0.38
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG21	5	0.38
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG22	5	0.38
(1,301)	1:119:A:GLU:HB2	1:120:A:ILE:HG23	5	0.38
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG21	5	0.38
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG22	5	0.38
(1,301)	1:119:A:GLU:HB3	1:120:A:ILE:HG23	5	0.38
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB2	7	0.38
(1,299)	1:120:A:ILE:HB	1:238:A:TYR:HB3	7	0.38
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	11	0.38
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	11	0.38
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	11	0.38
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	15	0.38
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	14	0.38
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	14	0.38
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	11	0.38
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	10	0.38
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	11	0.38
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	17	0.38
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	17	0.38
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	17	0.38
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	4	0.38
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	4	0.38
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	1	0.38
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	1	0.38
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	3	0.37
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	6	0.37
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	9	0.37
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	4	0.37
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	5	0.37
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	9	0.37
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	15	0.37
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	15	0.37
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	15	0.37
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	6	0.37
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	6	0.37
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	6	0.37
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	15	0.37
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	15	0.37
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	15	0.37
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	11	0.37
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	11	0.37
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	11	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG11	1	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG12	1	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG13	1	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG21	1	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG22	1	0.37
(1,2161)	1:71:A:ASP:H	1:72:A:VAL:HG23	1	0.37
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	9	0.37
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	12	0.37
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	12	0.37
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	12	0.37
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	12	0.37
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	12	0.37
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	18	0.37
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	18	0.37
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	18	0.37
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	18	0.37
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	18	0.37
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	18	0.37
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	13	0.37
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	13	0.37
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	13	0.37
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	10	0.37
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	10	0.37
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	10	0.37
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	10	0.37
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	10	0.37
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	10	0.37
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	10	0.37
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	10	0.37
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	10	0.37
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	9	0.37
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	9	0.37
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	9	0.37
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD2	13	0.37
(1,1838)	1:69:A:VAL:HG11	1:70:A:PRO:HD3	13	0.37
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD2	13	0.37
(1,1838)	1:69:A:VAL:HG12	1:70:A:PRO:HD3	13	0.37
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD2	13	0.37
(1,1838)	1:69:A:VAL:HG13	1:70:A:PRO:HD3	13	0.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	11	0.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	11	0.37
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	11	0.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	11	0.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	11	0.37
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	11	0.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	11	0.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	11	0.37
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	11	0.37
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	2	0.37
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	2	0.37
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	2	0.37
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	2	0.37
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	2	0.37
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	3	0.37
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	3	0.37
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	3	0.37
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	8	0.37
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	8	0.37
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	8	0.37
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	20	0.37
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	20	0.37
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	20	0.37
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	20	0.37
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	20	0.37
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	20	0.37
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	8	0.37
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	8	0.37
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	8	0.37
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	17	0.37
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	17	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	1	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	6	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	8	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	9	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	12	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	13	0.37
(1,1667)	1:40:A:LYS:H	1:42:A:MET:H	16	0.37
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	6	0.37
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	4	0.37
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	4	0.37
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB2	16	0.37
(1,1657)	1:39:A:LEU:H	1:40:A:LYS:HB3	16	0.37
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	17	0.37
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	17	0.37
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	17	0.37
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	17	0.37
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	1	0.37
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	1	0.37
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	1	0.37
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	18	0.37
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	11	0.37
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	20	0.37
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	20	0.37
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	20	0.37
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	1	0.37
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	1	0.37
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	15	0.37
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	2	0.37
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	19	0.37
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	9	0.37
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	9	0.37
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	9	0.37
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	5	0.37
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	10	0.37
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	12	0.37
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	15	0.37
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	19	0.37
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	20	0.37
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	6	0.37
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	6	0.37
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	11	0.37
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	11	0.37
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	5	0.37
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	5	0.37
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	5	0.37
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	5	0.37
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD1	18	0.37
(1,1423)	1:147:A:TYR:H	1:147:A:TYR:HD2	18	0.37
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	1	0.37
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	12	0.37
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	12	0.37
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	19	0.37
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	19	0.37
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	12	0.37
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	8	0.37
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	8	0.37
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	13	0.37
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	13	0.37
(1,1327)	1:115:A:MET:H	1:116:A:TRP:H	11	0.37
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	9	0.37
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	9	0.37
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	9	0.37
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	2	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	2	0.37
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	2	0.37
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	16	0.37
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	16	0.37
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	16	0.37
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	12	0.37
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	12	0.37
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	6	0.37
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	16	0.37
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	16	0.37
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	19	0.37
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	19	0.37
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	19	0.37
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	14	0.37
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	14	0.37
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	14	0.37
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	19	0.37
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	16	0.37
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	16	0.37
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	10	0.37
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	10	0.37
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	14	0.37
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	14	0.37
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	4	0.37
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	4	0.37
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	19	0.37
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	19	0.37
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	18	0.37
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	18	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	1	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	6	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	9	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	11	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	12	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	13	0.37
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	20	0.37
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	5	0.37
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	15	0.37
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	5	0.37
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	5	0.37
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	10	0.37
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	5	0.37
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	8	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	3	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	3	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	9	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	9	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	15	0.37
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	15	0.37
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	3	0.37
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	4	0.37
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	2	0.37
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	12	0.37
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	13	0.37
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	11	0.37
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	4	0.37
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	13	0.37
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	7	0.37
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	2	0.37
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	16	0.37
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	6	0.37
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	15	0.37
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	12	0.37
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	15	0.37
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	17	0.37
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	1	0.37
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	14	0.37
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	4	0.37
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	4	0.37
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	4	0.37
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	8	0.37
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	19	0.37
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	8	0.37
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	19	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	1	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	3	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	8	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	9	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	10	0.37
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	14	0.37
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	17	0.37
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	17	0.37
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	19	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	6	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	7	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	12	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	15	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	17	0.37
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	20	0.37
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	15	0.37
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	9	0.37
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	15	0.37
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	3	0.37
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	10	0.37
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	7	0.37
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	12	0.37
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	16	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	2	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	2	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	2	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	13	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	13	0.37
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	13	0.37
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	1	0.37
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	4	0.37
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	5	0.37
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	12	0.37
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	13	0.37
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	16	0.37
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	18	0.37
(1,901)	1:20:A:LYS:H	1:22:A:PHE:H	11	0.37
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	1	0.37
(1,894)	1:18:A:TYR:H	1:19:A:LEU:H	2	0.37
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	5	0.37
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	7	0.37
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	18	0.37
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	1	0.37
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	11	0.37
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	16	0.37
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	20	0.37
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	12	0.37
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	10	0.37
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	20	0.37
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	20	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	20	0.37
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	20	0.37
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	20	0.37
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG2	13	0.37
(1,868)	1:234:A:ILE:HG21	1:235:A:GLN:HG3	13	0.37
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG2	13	0.37
(1,868)	1:234:A:ILE:HG22	1:235:A:GLN:HG3	13	0.37
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG2	13	0.37
(1,868)	1:234:A:ILE:HG23	1:235:A:GLN:HG3	13	0.37
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	11	0.37
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	11	0.37
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	11	0.37
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	11	0.37
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	11	0.37
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	11	0.37
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	9	0.37
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	9	0.37
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	5	0.37
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	5	0.37
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	3	0.37
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	3	0.37
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	3	0.37
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	3	0.37
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	3	0.37
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	3	0.37
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	20	0.37
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	20	0.37
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	20	0.37
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	20	0.37
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	20	0.37
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	20	0.37
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE1	20	0.37
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE2	20	0.37
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE3	20	0.37
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE1	12	0.37
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE2	12	0.37
(1,780)	1:131:A:THR:HG21	1:135:A:MET:HE3	12	0.37
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE1	12	0.37
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE2	12	0.37
(1,780)	1:131:A:THR:HG22	1:135:A:MET:HE3	12	0.37
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE1	12	0.37
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE2	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,780)	1:131:A:THR:HG23	1:135:A:MET:HE3	12	0.37
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	13	0.37
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	13	0.37
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	15	0.37
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	15	0.37
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	6	0.37
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	6	0.37
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	6	0.37
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	1	0.37
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	12	0.37
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	16	0.37
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.37
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.37
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.37
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.37
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	11	0.37
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	11	0.37
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	14	0.37
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	14	0.37
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	20	0.37
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	20	0.37
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	20	0.37
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	4	0.37
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	6	0.37
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	11	0.37
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	11	0.37
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	14	0.37
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	14	0.37
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	10	0.37
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	10	0.37
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	10	0.37
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	10	0.37
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	10	0.37
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	10	0.37
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	20	0.37
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	20	0.37
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	3	0.37
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	9	0.37
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	10	0.37
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	17	0.37
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	18	0.37
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	5	0.37
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	10	0.37
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	10	0.37
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	10	0.37
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	5	0.37
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	5	0.37
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	8	0.37
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	13	0.37
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	10	0.37
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	10	0.37
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	10	0.37
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	10	0.37
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	14	0.37
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	14	0.37
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	14	0.37
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	14	0.37
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	5	0.37
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	5	0.37
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	5	0.37
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	5	0.37
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	5	0.37
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	5	0.37
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	19	0.37
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	19	0.37
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	19	0.37
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	19	0.37
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	19	0.37
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	19	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	20	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	20	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	20	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	20	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	20	0.37
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	20	0.37
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	20	0.37
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	20	0.37
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	20	0.37
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	15	0.37
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	6	0.37
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	6	0.37
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	5	0.37
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	5	0.37
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	20	0.37
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	20	0.37
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	20	0.37
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	20	0.37
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	20	0.37
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	20	0.37
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	20	0.37
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	20	0.37
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	12	0.37
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	2	0.37
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	2	0.37
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	2	0.37
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	7	0.37
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	7	0.37
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	7	0.37
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	7	0.37
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	7	0.37
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	7	0.37
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	18	0.37
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	18	0.37
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	18	0.37
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	18	0.37
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	18	0.37
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	18	0.37
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	13	0.37
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	13	0.37
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	13	0.37
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	13	0.37
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	1	0.37
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	1	0.37
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	19	0.37
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	19	0.37
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	18	0.37
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	18	0.37
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	18	0.37
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	18	0.37
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	18	0.37
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	18	0.37
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	18	0.37
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	18	0.37
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	14	0.37
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	14	0.37
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	14	0.37
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	14	0.37
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	14	0.37
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	14	0.37
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	8	0.37
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	4	0.37
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	18	0.37
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	18	0.37
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	6	0.37
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	11	0.37
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	11	0.37
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	11	0.37
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	15	0.37
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	15	0.37
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	1	0.37
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	1	0.37
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	1	0.37
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	11	0.37
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	11	0.37
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	6	0.37
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	6	0.37
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	16	0.37
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	16	0.37
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	1	0.36
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	8	0.36
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	9	0.36
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	14	0.36
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	18	0.36
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	1	0.36
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	1	0.36
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	1	0.36
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	12	0.36
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	12	0.36
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	12	0.36
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	4	0.36
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	4	0.36
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	4	0.36
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	13	0.36
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	13	0.36
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	20	0.36
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	20	0.36
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	20	0.36
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	20	0.36
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	20	0.36
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	20	0.36
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	20	0.36
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	20	0.36
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	20	0.36
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	13	0.36
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	13	0.36
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	13	0.36
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	13	0.36
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	13	0.36
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	13	0.36
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	19	0.36
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	19	0.36
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	19	0.36
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	19	0.36
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	19	0.36
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	19	0.36
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	19	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	7	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	7	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	7	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	7	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	12	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	12	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	12	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	12	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	12	0.36
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	12	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	12	0.36
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	12	0.36
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	1	0.36
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	1	0.36
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	1	0.36
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	12	0.36
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	12	0.36
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	12	0.36
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	2	0.36
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	2	0.36
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	2	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	2	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	2	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	2	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	2	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	2	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	2	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	2	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	2	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	2	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD21	6	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD22	6	0.36
(1,1993)	1:89:A:VAL:HG21	1:200:A:LEU:HD23	6	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD21	6	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD22	6	0.36
(1,1993)	1:89:A:VAL:HG22	1:200:A:LEU:HD23	6	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD21	6	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD22	6	0.36
(1,1993)	1:89:A:VAL:HG23	1:200:A:LEU:HD23	6	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	14	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	14	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	14	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	20	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	20	0.36
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	20	0.36
(1,1950)	1:43:A:GLN:HB3	1:48:A:LEU:HD21	12	0.36
(1,1950)	1:43:A:GLN:HB3	1:48:A:LEU:HD22	12	0.36
(1,1950)	1:43:A:GLN:HB3	1:48:A:LEU:HD23	12	0.36
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	19	0.36
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	19	0.36
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	7	0.36
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	7	0.36
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	7	0.36
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	7	0.36
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	7	0.36
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	7	0.36
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	7	0.36
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	7	0.36
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	7	0.36
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	12	0.36
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	12	0.36
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	12	0.36
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	13	0.36
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	13	0.36
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	13	0.36
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	7	0.36
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	7	0.36
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	7	0.36
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	7	0.36
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	7	0.36
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	7	0.36
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	7	0.36
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	7	0.36
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	7	0.36
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	19	0.36
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	19	0.36
(1,1797)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	19	0.36
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	19	0.36
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	19	0.36
(1,1797)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	19	0.36
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	4	0.36
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	4	0.36
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	4	0.36
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	4	0.36
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	4	0.36
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	4	0.36
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB2	12	0.36
(1,1779)	1:240:A:LYS:H	1:240:A:LYS:HB3	12	0.36
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	8	0.36
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	16	0.36
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	7	0.36
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	7	0.36
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	10	0.36
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	1	0.36
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	1	0.36
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	7	0.36
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	7	0.36
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	18	0.36
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	18	0.36
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	18	0.36
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	18	0.36
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	18	0.36
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	13	0.36
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	6	0.36
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	12	0.36
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	8	0.36
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	8	0.36
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	8	0.36
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	8	0.36
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	11	0.36
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	13	0.36
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	14	0.36
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	14	0.36
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB2	14	0.36
(1,1581)	1:67:A:CYS:H	1:67:A:CYS:HB3	14	0.36
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	19	0.36
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	19	0.36
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	19	0.36
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	14	0.36
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	3	0.36
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	3	0.36
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	3	0.36
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	17	0.36
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	17	0.36
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	12	0.36
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	12	0.36
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	16	0.36
(1,1465)	1:160:A:PHE:HB2	1:169:A:ASP:H	17	0.36
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	5	0.36
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	5	0.36
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	17	0.36
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	17	0.36
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	10	0.36
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	12	0.36
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	12	0.36
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	12	0.36
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	2	0.36
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	5	0.36
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	14	0.36
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	4	0.36
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	4	0.36
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	3	0.36
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	3	0.36
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	6	0.36
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	6	0.36
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	6	0.36
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	10	0.36
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	10	0.36
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	10	0.36
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	12	0.36
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	12	0.36
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	12	0.36
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	7	0.36
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	11	0.36
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	11	0.36
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	11	0.36
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	20	0.36
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	20	0.36
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	7	0.36
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	17	0.36
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	20	0.36
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	20	0.36
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	20	0.36
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	14	0.36
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	14	0.36
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	15	0.36
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	15	0.36
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	16	0.36
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	16	0.36
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	16	0.36
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	15	0.36
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	15	0.36
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	9	0.36
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	2	0.36
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	7	0.36
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	8	0.36
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	14	0.36
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	16	0.36
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	19	0.36
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	3	0.36
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	8	0.36
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	8	0.36
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	2	0.36
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	13	0.36
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	13	0.36
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	4	0.36
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	14	0.36
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	18	0.36
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	19	0.36
(1,1134)	1:196:A:LEU:H	1:197:A:GLY:H	7	0.36
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	20	0.36
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	11	0.36
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	11	0.36
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	11	0.36
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	12	0.36
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	2	0.36
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	19	0.36
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	19	0.36
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	13	0.36
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	10	0.36
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	10	0.36
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	2	0.36
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	2	0.36
(1,1045)	1:206:A:SER:H	1:207:A:ASP:H	15	0.36
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	10	0.36
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	10	0.36
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	10	0.36
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	15	0.36
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	15	0.36
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	15	0.36
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	20	0.36
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	20	0.36
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	20	0.36
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	1	0.36
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	1	0.36
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	4	0.36
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	2	0.36
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	6	0.36
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	17	0.36
(1,1029)	1:117:A:GLY:H	1:118:A:LYS:H	3	0.36
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	1	0.36
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	1	0.36
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	2	0.36
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	2	0.36
(1,1012)	1:103:A:ILE:H	1:105:A:VAL:H	7	0.36
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	6	0.36
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	6	0.36
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	6	0.36
(1,1009)	1:103:A:ILE:HD11	1:104:A:THR:H	9	0.36
(1,1009)	1:103:A:ILE:HD12	1:104:A:THR:H	9	0.36
(1,1009)	1:103:A:ILE:HD13	1:104:A:THR:H	9	0.36
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	3	0.36
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	17	0.36
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	8	0.36
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	10	0.36
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	6	0.36
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	14	0.36
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	8	0.36
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	11	0.36
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	3	0.36
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	8	0.36
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	5	0.36
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	13	0.36
(1,938)	1:46:A:PHE:H	1:47:A:GLY:H	4	0.36
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	2	0.36
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	2	0.36
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	9	0.36
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	9	0.36
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	18	0.36
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	18	0.36
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	5	0.36
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	15	0.36
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	18	0.36
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	7	0.36
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	7	0.36
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	7	0.36
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	12	0.36
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	12	0.36
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	12	0.36
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	12	0.36
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	12	0.36
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	12	0.36
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	16	0.36
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	16	0.36
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	4	0.36
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	4	0.36
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	2	0.36
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB2	20	0.36
(1,702)	1:83:A:LYS:H	1:83:A:LYS:HB3	20	0.36
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	1	0.36
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	1	0.36
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	1	0.36
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	1	0.36
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	12	0.36
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	12	0.36
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	12	0.36
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	8	0.36
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	8	0.36
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	8	0.36
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	1	0.36
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	1	0.36
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	1	0.36
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	16	0.36
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	16	0.36
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	16	0.36
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	13	0.36
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	13	0.36
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	13	0.36
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	9	0.36
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	17	0.36
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	17	0.36
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	17	0.36
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	4	0.36
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	4	0.36
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	9	0.36
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	9	0.36
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	9	0.36
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	9	0.36
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	9	0.36
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	4	0.36
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	4	0.36
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	14	0.36
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	14	0.36
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	14	0.36
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	6	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	1	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	8	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	11	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	13	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	14	0.36
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	19	0.36
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	5	0.36
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	18	0.36
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	4	0.36
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	8	0.36
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	8	0.36
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	8	0.36
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	8	0.36
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	8	0.36
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	8	0.36
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	8	0.36
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	11	0.36
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	5	0.36
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	5	0.36
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	2	0.36
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	2	0.36
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	2	0.36
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	12	0.36
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	12	0.36
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	12	0.36
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	12	0.36
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	12	0.36
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	12	0.36
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	11	0.36
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	16	0.36
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	12	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	3	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	3	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	3	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	5	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	5	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	5	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	5	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	12	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	12	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	12	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	12	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	13	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	13	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	13	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	13	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	16	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	16	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	16	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	16	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	20	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	20	0.36
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	20	0.36
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	20	0.36
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	2	0.36
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	2	0.36
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	2	0.36
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	2	0.36
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	2	0.36
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	2	0.36
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	1	0.36
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	1	0.36
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	1	0.36
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	1	0.36
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	1	0.36
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	1	0.36
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	4	0.36
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	4	0.36
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	4	0.36
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	17	0.36
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	17	0.36
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	8	0.36
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	8	0.36
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	4	0.36
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	12	0.36
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	12	0.36
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	12	0.36
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	14	0.36
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	14	0.36
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	14	0.36
(1,331)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	15	0.36
(1,331)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	15	0.36
(1,331)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	15	0.36
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	3	0.36
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	3	0.36
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	6	0.36
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	6	0.36
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	5	0.36
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	19	0.36
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	19	0.36
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	18	0.36
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	8	0.36
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	8	0.36
(1,129)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	3	0.36
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	13	0.36
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	13	0.36
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	15	0.36
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	15	0.36
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	10	0.36
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	10	0.36
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	3	0.36
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	5	0.36
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	14	0.36
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	17	0.36
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	4	0.36
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	4	0.36
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	14	0.36
(1,42)	1:156:A:LEU:HG	1:178:A:TRP:HZ2	16	0.36
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	5	0.36
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	5	0.36
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	5	0.36
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	15	0.35
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	4	0.35
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	10	0.35
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	6	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	1	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	1	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	1	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	15	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	15	0.35
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	15	0.35
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	2	0.35
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	2	0.35
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	2	0.35
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	7	0.35
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	7	0.35
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	7	0.35
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	4	0.35
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	4	0.35
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	4	0.35
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	15	0.35
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	15	0.35
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	15	0.35
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	8	0.35
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	8	0.35
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	8	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	15	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	15	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	15	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	15	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	15	0.35
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	15	0.35
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	11	0.35
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	11	0.35
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	11	0.35
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	20	0.35
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.35
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	20	0.35
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	16	0.35
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	16	0.35
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	16	0.35
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	8	0.35
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	8	0.35
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	8	0.35
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	8	0.35
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	8	0.35
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	11	0.35
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	11	0.35
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	11	0.35
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	8	0.35
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	14	0.35
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	14	0.35
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	14	0.35
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	14	0.35
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	14	0.35
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	14	0.35
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	2	0.35
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	2	0.35
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	2	0.35
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	7	0.35
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	7	0.35
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	7	0.35
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG11	20	0.35
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG12	20	0.35
(1,1996)	1:54:A:LEU:HD11	1:58:A:VAL:HG13	20	0.35
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG11	20	0.35
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG12	20	0.35
(1,1996)	1:54:A:LEU:HD12	1:58:A:VAL:HG13	20	0.35
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG11	20	0.35
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG12	20	0.35
(1,1996)	1:54:A:LEU:HD13	1:58:A:VAL:HG13	20	0.35
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	19	0.35
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	19	0.35
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	19	0.35
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	3	0.35
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	3	0.35
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	3	0.35
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	3	0.35
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	3	0.35
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	3	0.35
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	3	0.35
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	3	0.35
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	3	0.35
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	3	0.35
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	3	0.35
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	4	0.35
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	4	0.35
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	4	0.35
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	19	0.35
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	19	0.35
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	19	0.35
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	19	0.35
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	19	0.35
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	19	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	7	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	7	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	7	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	17	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	17	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	17	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	17	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	17	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	17	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	17	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	17	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	19	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	19	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	19	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	19	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	19	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	19	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	19	0.35
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	19	0.35
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	18	0.35
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	18	0.35
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	20	0.35
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	20	0.35
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	20	0.35
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	20	0.35
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	20	0.35
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	19	0.35
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	19	0.35
(1,1655)	1:36:A:GLU:HG2	1:37:A:ALA:H	14	0.35
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	20	0.35
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	2	0.35
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	2	0.35
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	2	0.35
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	5	0.35
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	5	0.35
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	5	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	5	0.35
(1,1559)	1:200:A:LEU:H	1:202:A:MET:H	20	0.35
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	4	0.35
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	4	0.35
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	4	0.35
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	1	0.35
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	1	0.35
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	1	0.35
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	7	0.35
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	7	0.35
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	7	0.35
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	19	0.35
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	19	0.35
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	19	0.35
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	12	0.35
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	20	0.35
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	20	0.35
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	3	0.35
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	6	0.35
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	11	0.35
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	4	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	4	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	4	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	4	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	5	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	5	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	5	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	16	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	16	0.35
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	16	0.35
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	4	0.35
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	19	0.35
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	2	0.35
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	2	0.35
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	2	0.35
(1,1381)	1:131:A:THR:HG21	1:132:A:ALA:H	12	0.35
(1,1381)	1:131:A:THR:HG22	1:132:A:ALA:H	12	0.35
(1,1381)	1:131:A:THR:HG23	1:132:A:ALA:H	12	0.35
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	10	0.35
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	20	0.35
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	20	0.35
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	7	0.35
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	7	0.35
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	14	0.35
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	14	0.35
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	16	0.35
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	16	0.35
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	19	0.35
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	19	0.35
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	3	0.35
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	3	0.35
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	3	0.35
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	8	0.35
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	8	0.35
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	8	0.35
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	19	0.35
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	3	0.35
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	3	0.35
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	8	0.35
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	19	0.35
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	5	0.35
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	5	0.35
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	5	0.35
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	4	0.35
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	4	0.35
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	7	0.35
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	7	0.35
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	7	0.35
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	7	0.35
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	16	0.35
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	15	0.35
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	15	0.35
(1,1202)	1:82:A:PRO:HB2	1:83:A:LYS:H	7	0.35
(1,1202)	1:82:A:PRO:HB3	1:83:A:LYS:H	7	0.35
(1,1190)	1:40:A:LYS:H	1:41:A:GLU:H	5	0.35
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	4	0.35
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	13	0.35
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	14	0.35
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	2	0.35
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	2	0.35
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	11	0.35
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	11	0.35
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	20	0.35
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	8	0.35
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	15	0.35
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	12	0.35
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	10	0.35
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	5	0.35
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	5	0.35
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	5	0.35
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	6	0.35
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	16	0.35
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	15	0.35
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	18	0.35
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	4	0.35
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	12	0.35
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	10	0.35
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	14	0.35
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	14	0.35
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	14	0.35
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	18	0.35
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	18	0.35
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	18	0.35
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	19	0.35
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	19	0.35
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	19	0.35
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	10	0.35
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	10	0.35
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	16	0.35
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	8	0.35
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	8	0.35
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	5	0.35
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	14	0.35
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	9	0.35
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	6	0.35
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	12	0.35
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	12	0.35
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	12	0.35
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	5	0.35
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	10	0.35
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	18	0.35
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD11	10	0.35
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD12	10	0.35
(1,983)	1:84:A:TRP:HE1	1:134:A:ILE:HD13	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	10	0.35
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	7	0.35
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	10	0.35
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	18	0.35
(1,957)	1:59:A:ILE:H	1:60:A:GLU:H	9	0.35
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	18	0.35
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	15	0.35
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	19	0.35
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	18	0.35
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	13	0.35
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	13	0.35
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	10	0.35
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	14	0.35
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	14	0.35
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	14	0.35
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	3	0.35
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	6	0.35
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	13	0.35
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	1	0.35
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	12	0.35
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	14	0.35
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	18	0.35
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	20	0.35
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	9	0.35
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	9	0.35
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	20	0.35
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	20	0.35
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	8	0.35
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	8	0.35
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	4	0.35
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	4	0.35
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	4	0.35
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	20	0.35
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	20	0.35
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	20	0.35
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	20	0.35
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	20	0.35
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	20	0.35
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	9	0.35
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	9	0.35
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	9	0.35
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	17	0.35
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	4	0.35
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	4	0.35
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	4	0.35
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	4	0.35
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	4	0.35
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	4	0.35
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	15	0.35
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	15	0.35
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB2	15	0.35
(1,699)	1:218:A:ASN:H	1:218:A:ASN:HB3	15	0.35
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG21	13	0.35
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG22	13	0.35
(1,656)	1:49:A:PRO:HB2	1:50:A:ILE:HG23	13	0.35
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	8	0.35
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	18	0.35
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	18	0.35
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	18	0.35
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	18	0.35
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	18	0.35
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	18	0.35
(1,611)	1:93:A:ILE:HD11	1:136:A:ILE:H	16	0.35
(1,611)	1:93:A:ILE:HD12	1:136:A:ILE:H	16	0.35
(1,611)	1:93:A:ILE:HD13	1:136:A:ILE:H	16	0.35
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE1	7	0.35
(1,604)	1:234:A:ILE:HG12	1:238:A:TYR:HE2	7	0.35
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	10	0.35
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	15	0.35
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	17	0.35
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	10	0.35
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	10	0.35
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	8	0.35
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	2	0.35
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	4	0.35
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	7	0.35
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	12	0.35
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	3	0.35
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	3	0.35
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	2	0.35
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	3	0.35
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	16	0.35
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	15	0.35
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	15	0.35
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	15	0.35
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	15	0.35
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	15	0.35
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	3	0.35
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	3	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	14	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	14	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	14	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	19	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	19	0.35
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	19	0.35
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	10	0.35
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	10	0.35
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	10	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	10	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	10	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	10	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	12	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	12	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	12	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	19	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	19	0.35
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	19	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	9	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	9	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	9	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	9	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	9	0.35
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	9	0.35
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	15	0.35
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	15	0.35
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	15	0.35
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	15	0.35
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	18	0.35
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	18	0.35
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	18	0.35
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	18	0.35
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	11	0.35
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	11	0.35
(1,391)	1:94:A:VAL:H	1:136:A:ILE:HB	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	6	0.35
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	10	0.35
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	10	0.35
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	12	0.35
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	12	0.35
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	12	0.35
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	12	0.35
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	12	0.35
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	12	0.35
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	6	0.35
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	6	0.35
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	6	0.35
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE21	18	0.35
(1,297)	1:59:A:ILE:HG21	1:63:A:GLN:HE22	18	0.35
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE21	18	0.35
(1,297)	1:59:A:ILE:HG22	1:63:A:GLN:HE22	18	0.35
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE21	18	0.35
(1,297)	1:59:A:ILE:HG23	1:63:A:GLN:HE22	18	0.35
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	17	0.35
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	17	0.35
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	18	0.35
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	18	0.35
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	18	0.35
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	18	0.35
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	18	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	13	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	13	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	13	0.35
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	13	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.35
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	20	0.35
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	20	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	20	0.35
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	20	0.35
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	20	0.35
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	20	0.35
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	20	0.35
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	19	0.35
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	19	0.35
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	19	0.35
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	19	0.35
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	19	0.35
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	19	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	1	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	1	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	1	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	7	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	7	0.35
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	7	0.35
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	11	0.35
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	18	0.35
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	16	0.35
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	16	0.35
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	15	0.35
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	15	0.35
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB2	12	0.35
(1,91)	1:65:A:PRO:HA	1:66:A:ARG:HB3	12	0.35
(1,79)	1:43:A:GLN:HA	1:48:A:LEU:HG	17	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	1	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	1	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	2	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	2	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	3	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	3	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	4	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	4	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	5	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	5	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	6	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	6	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	7	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	7	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	8	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	8	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	9	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	10	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	10	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	11	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	11	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	12	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	12	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	13	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	13	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	14	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	14	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	15	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	15	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	17	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	17	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	18	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	18	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	19	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	19	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	20	0.35
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	20	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	9	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	9	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	9	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	10	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	10	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	10	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	20	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	20	0.35
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	20	0.35
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	3	0.35
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	3	0.35
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	13	0.35
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	13	0.35
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	16	0.35
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	16	0.35
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	16	0.35
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	9	0.35
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	7	0.34
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	17	0.34
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	14	0.34
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	13	0.34
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	13	0.34
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	6	0.34
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	6	0.34
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	6	0.34
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	8	0.34
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	8	0.34
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	8	0.34
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	17	0.34
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	17	0.34
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	17	0.34
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	7	0.34
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	7	0.34
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	7	0.34
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	5	0.34
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	5	0.34
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	5	0.34
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	14	0.34
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	14	0.34
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	14	0.34
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	7	0.34
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	7	0.34
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	7	0.34
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	6	0.34
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	6	0.34
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	6	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	14	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	14	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	14	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	19	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	19	0.34
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	19	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	6	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	6	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	6	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	19	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	19	0.34
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	19	0.34
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD21	8	0.34
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD22	8	0.34
(1,2198)	1:19:A:LEU:H	1:19:A:LEU:HD23	8	0.34
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	17	0.34
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	17	0.34
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	9	0.34
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	9	0.34
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	9	0.34
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	15	0.34
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	15	0.34
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	15	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	11	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	11	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	11	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	11	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	11	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	11	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	11	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	11	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	11	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	18	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	18	0.34
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	18	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	18	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	18	0.34
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	18	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	18	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	18	0.34
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	18	0.34
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	11	0.34
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	11	0.34
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	11	0.34
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	11	0.34
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	11	0.34
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	11	0.34
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	13	0.34
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	13	0.34
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	13	0.34
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	13	0.34
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	13	0.34
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	13	0.34
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	12	0.34
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	12	0.34
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	12	0.34
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	12	0.34
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	12	0.34
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	16	0.34
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	16	0.34
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	16	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	9	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	9	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	9	0.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	9	0.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	9	0.34
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	9	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	9	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	9	0.34
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	9	0.34
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	3	0.34
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	3	0.34
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	3	0.34
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	3	0.34
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	3	0.34
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	3	0.34
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	7	0.34
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	7	0.34
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	7	0.34
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	5	0.34
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	5	0.34
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	5	0.34
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	14	0.34
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	14	0.34
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	14	0.34
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	7	0.34
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	7	0.34
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	7	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	2	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	2	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	2	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG21	5	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG22	5	0.34
(1,2003)	1:91:A:TYR:HB2	1:109:A:VAL:HG23	5	0.34
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	12	0.34
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	12	0.34
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	12	0.34
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	18	0.34
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	18	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	1	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	1	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	1	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	1	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	1	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	1	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	6	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	6	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	6	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	6	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	6	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	6	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE1	7	0.34
(1,1983)	1:189:A:LEU:HD21	1:224:A:PHE:HE2	7	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE1	7	0.34
(1,1983)	1:189:A:LEU:HD22	1:224:A:PHE:HE2	7	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE1	7	0.34
(1,1983)	1:189:A:LEU:HD23	1:224:A:PHE:HE2	7	0.34
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD21	13	0.34
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD22	13	0.34
(1,1961)	1:100:A:LEU:HA	1:100:A:LEU:HD23	13	0.34
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	10	0.34
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	10	0.34
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	10	0.34
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	10	0.34
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	10	0.34
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	10	0.34
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	20	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	11	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	11	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	11	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	11	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	12	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	12	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	12	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	12	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	16	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	16	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	16	0.34
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	16	0.34
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	20	0.34
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	20	0.34
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	20	0.34
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	8	0.34
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	8	0.34
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	14	0.34
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	4	0.34
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	20	0.34
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	12	0.34
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	12	0.34
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	1	0.34
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	10	0.34
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD1	8	0.34
(1,1522)	1:188:A:PHE:H	1:188:A:PHE:HD2	8	0.34
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	4	0.34
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	12	0.34
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	12	0.34
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	8	0.34
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	8	0.34
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG2	8	0.34
(1,1482)	1:174:A:GLU:H	1:174:A:GLU:HG3	8	0.34
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	1	0.34
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	9	0.34
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	15	0.34
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	17	0.34
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	17	0.34
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	13	0.34
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	13	0.34
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	19	0.34
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	19	0.34
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	4	0.34
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	4	0.34
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	4	0.34
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	4	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	2	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	2	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	2	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	8	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	8	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	8	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	10	0.34
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	10	0.34
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	7	0.34
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	13	0.34
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	10	0.34
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	7	0.34
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	20	0.34
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	7	0.34
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	7	0.34
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	7	0.34
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	4	0.34
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	9	0.34
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	9	0.34
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	9	0.34
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	15	0.34
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	15	0.34
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	15	0.34
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	18	0.34
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	18	0.34
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	18	0.34
(1,1310)	1:110:A:SER:HB2	1:111:A:LYS:H	16	0.34
(1,1310)	1:110:A:SER:HB3	1:111:A:LYS:H	16	0.34
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	2	0.34
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	2	0.34
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	8	0.34
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	8	0.34
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	2	0.34
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	7	0.34
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	17	0.34
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	1	0.34
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	1	0.34
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	3	0.34
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	3	0.34
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	3	0.34
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	20	0.34
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	20	0.34
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	13	0.34
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	11	0.34
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	15	0.34
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	1	0.34
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	14	0.34
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	18	0.34
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	5	0.34
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	5	0.34
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	15	0.34
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	4	0.34
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	15	0.34
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	17	0.34
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	3	0.34
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	4	0.34
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	20	0.34
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	14	0.34
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	12	0.34
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	6	0.34
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	12	0.34
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	4	0.34
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	3	0.34
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	5	0.34
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	15	0.34
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	17	0.34
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	14	0.34
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	14	0.34
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	4	0.34
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	10	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	11	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	11	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	11	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	13	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	13	0.34
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	13	0.34
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	20	0.34
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	4	0.34
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	20	0.34
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	13	0.34
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	13	0.34
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	13	0.34
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	1	0.34
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	4	0.34
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	1	0.34
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	2	0.34
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	12	0.34
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	20	0.34
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	7	0.34
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	9	0.34
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	9	0.34
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	19	0.34
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	19	0.34
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	3	0.34
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	4	0.34
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	8	0.34
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	19	0.34
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	18	0.34
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	2	0.34
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	4	0.34
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	19	0.34
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	10	0.34
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	10	0.34
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	10	0.34
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	10	0.34
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	4	0.34
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	4	0.34
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	4	0.34
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	4	0.34
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	4	0.34
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	4	0.34
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	12	0.34
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	12	0.34
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	12	0.34
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	12	0.34
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	5	0.34
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	5	0.34
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	5	0.34
(1,706)	1:86:A:SER:H	1:86:A:SER:HB2	9	0.34
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	15	0.34
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	15	0.34
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	11	0.34
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	11	0.34
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	11	0.34
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD1	20	0.34
(1,591)	1:113:A:LEU:HG	1:124:A:PHE:HD2	20	0.34
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	5	0.34
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	5	0.34
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	5	0.34
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	5	0.34
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	5	0.34
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	4	0.34
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	14	0.34
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	14	0.34
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	14	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	14	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	14	0.34
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	14	0.34
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	1	0.34
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	8	0.34
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	11	0.34
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	16	0.34
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	19	0.34
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	1	0.34
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	5	0.34
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	7	0.34
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	8	0.34
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	14	0.34
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	8	0.34
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	8	0.34
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	6	0.34
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	6	0.34
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	6	0.34
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	14	0.34
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	14	0.34
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	14	0.34
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	14	0.34
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	14	0.34
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	14	0.34
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	14	0.34
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	14	0.34
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	8	0.34
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	8	0.34
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	8	0.34
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	14	0.34
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	6	0.34
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	6	0.34
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	6	0.34
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	2	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	2	0.34
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	2	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	4	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	4	0.34
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	4	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	4	0.34
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD2	17	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD2	17	0.34
(1,409)	1:213:A:TYR:HB2	1:214:A:PRO:HD3	17	0.34
(1,409)	1:213:A:TYR:HB3	1:214:A:PRO:HD3	17	0.34
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	3	0.34
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	13	0.34
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	17	0.34
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	17	0.34
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	17	0.34
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	17	0.34
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	11	0.34
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	11	0.34
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	11	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	11	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	11	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	14	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	14	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	16	0.34
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	16	0.34
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	17	0.34
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	18	0.34
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	18	0.34
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	10	0.34
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	10	0.34
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	10	0.34
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	1	0.34
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	1	0.34
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	19	0.34
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	19	0.34
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	19	0.34
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	19	0.34
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	14	0.34
(1,217)	1:218:A:ASN:HB2	1:219:A:GLY:H	14	0.34
(1,217)	1:218:A:ASN:HB3	1:219:A:GLY:H	14	0.34
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	1	0.34
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	1	0.34
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	14	0.34
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	14	0.34
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	14	0.34
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	14	0.34
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	14	0.34
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	14	0.34
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	14	0.34
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	14	0.34
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	11	0.34
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	11	0.34
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	11	0.34
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	11	0.34
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	11	0.34
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	11	0.34
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	11	0.34
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	11	0.34
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	11	0.34
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	17	0.34
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	17	0.34
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	17	0.34
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	17	0.34
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	15	0.34
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	13	0.34
(1,74)	1:34:A:SER:HA	1:36:A:GLU:H	4	0.34
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG2	16	0.34
(1,73)	1:21:A:ARG:HA	1:21:A:ARG:HG3	16	0.34
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	15	0.34
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	13	0.34
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	13	0.34
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	15	0.34
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	15	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	1	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	1	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	1	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	15	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	15	0.34
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	15	0.34
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	13	0.34
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	13	0.34
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	11	0.34
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	11	0.34
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	12	0.34
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	15	0.34
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	15	0.34
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	12	0.33
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	13	0.33
(4,14)	3:303:A:ZN:ZN	1:171:A:HIS:ND1	12	0.33
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	18	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	1	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	1	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	1	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	20	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	20	0.33
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	20	0.33
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	18	0.33
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	18	0.33
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	18	0.33
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	1	0.33
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	1	0.33
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	1	0.33
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	3	0.33
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	3	0.33
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	3	0.33
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	4	0.33
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	4	0.33
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	4	0.33
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	12	0.33
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	12	0.33
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	12	0.33
(1,2227)	1:166:A:LEU:HD21	1:169:A:ASP:H	19	0.33
(1,2227)	1:166:A:LEU:HD22	1:169:A:ASP:H	19	0.33
(1,2227)	1:166:A:LEU:HD23	1:169:A:ASP:H	19	0.33
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	16	0.33
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	16	0.33
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	16	0.33
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	10	0.33
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	10	0.33
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	10	0.33
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	8	0.33
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	8	0.33
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	8	0.33
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	19	0.33
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	19	0.33
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	13	0.33
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	13	0.33
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	13	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	4	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	4	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	4	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	5	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	5	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	5	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	18	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	18	0.33
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	18	0.33
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD11	5	0.33
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD12	5	0.33
(1,2144)	1:226:A:LEU:H	1:226:A:LEU:HD13	5	0.33
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	10	0.33
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	10	0.33
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	10	0.33
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	10	0.33
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	10	0.33
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	10	0.33
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	10	0.33
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	10	0.33
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	10	0.33
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	6	0.33
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	6	0.33
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	6	0.33
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	6	0.33
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	6	0.33
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	6	0.33
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	6	0.33
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	6	0.33
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	6	0.33
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	6	0.33
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	6	0.33
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	6	0.33
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	6	0.33
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	1	0.33
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	1	0.33
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	1	0.33
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	1	0.33
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	1	0.33
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	1	0.33
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	15	0.33
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	15	0.33
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	15	0.33
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	16	0.33
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	16	0.33
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	16	0.33
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	5	0.33
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	5	0.33
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	5	0.33
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	13	0.33
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	13	0.33
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	13	0.33
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	13	0.33
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	13	0.33
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	13	0.33
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	9	0.33
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	9	0.33
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	9	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	15	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	15	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	15	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	15	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	15	0.33
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	15	0.33
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	15	0.33
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	15	0.33
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	15	0.33
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	1	0.33
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	1	0.33
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	13	0.33
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	13	0.33
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	13	0.33
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	20	0.33
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	20	0.33
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	20	0.33
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	8	0.33
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	8	0.33
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	8	0.33
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	6	0.33
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	6	0.33
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	6	0.33
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	6	0.33
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	6	0.33
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	6	0.33
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	14	0.33
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	18	0.33
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	17	0.33
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	17	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	1	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	1	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	1	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	8	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	8	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	8	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	12	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	12	0.33
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	12	0.33
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	14	0.33
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	14	0.33
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	4	0.33
(1,1683)	1:45:A:PHE:HD1	1:46:A:PHE:H	4	0.33
(1,1683)	1:45:A:PHE:HD2	1:46:A:PHE:H	4	0.33
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	4	0.33
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	1	0.33
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	1	0.33
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	1	0.33
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	1	0.33
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	11	0.33
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	12	0.33
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	12	0.33
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	12	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	11	0.33
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	13	0.33
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	17	0.33
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	2	0.33
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	12	0.33
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	2	0.33
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	2	0.33
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	2	0.33
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	12	0.33
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	12	0.33
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	12	0.33
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	14	0.33
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	2	0.33
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	2	0.33
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	8	0.33
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	16	0.33
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	16	0.33
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	4	0.33
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	7	0.33
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	13	0.33
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	15	0.33
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	7	0.33
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	7	0.33
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	9	0.33
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	9	0.33
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	9	0.33
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	9	0.33
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	6	0.33
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	6	0.33
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	6	0.33
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	14	0.33
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	10	0.33
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	5	0.33
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	5	0.33
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	18	0.33
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	20	0.33
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	8	0.33
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	8	0.33
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	8	0.33
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	13	0.33
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	13	0.33
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	14	0.33
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	14	0.33
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	14	0.33
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	9	0.33
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	13	0.33
(1,1265)	1:100:A:LEU:H	1:100:A:LEU:HB2	14	0.33
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	9	0.33
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	5	0.33
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	12	0.33
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	18	0.33
(1,1253)	1:98:A:ARG:H	1:100:A:LEU:H	20	0.33
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	9	0.33
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	9	0.33
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	9	0.33
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	18	0.33
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	18	0.33
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	18	0.33
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	6	0.33
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	6	0.33
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG21	1	0.33
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG22	1	0.33
(1,1225)	1:90:A:THR:H	1:90:A:THR:HG23	1	0.33
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	10	0.33
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	10	0.33
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	1	0.33
(1,1176)	1:235:A:GLN:H	1:237:A:LEU:H	12	0.33
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	1	0.33
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	1	0.33
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	14	0.33
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	14	0.33
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	6	0.33
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	18	0.33
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	9	0.33
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	14	0.33
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	4	0.33
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	4	0.33
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	2	0.33
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	10	0.33
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	8	0.33
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	8	0.33
(1,1132)	1:196:A:LEU:H	1:197:A:GLY:H	7	0.33
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	7	0.33
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	2	0.33
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	16	0.33
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	10	0.33
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	8	0.33
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	7	0.33
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD11	5	0.33
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD12	5	0.33
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD13	5	0.33
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	2	0.33
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	16	0.33
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	2	0.33
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	16	0.33
(1,1031)	1:118:A:LYS:H	1:120:A:ILE:H	4	0.33
(1,1001)	1:114:A:ASN:H	1:115:A:MET:H	19	0.33
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	13	0.33
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	12	0.33
(1,973)	1:68:A:GLY:H	1:69:A:VAL:H	4	0.33
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	8	0.33
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	13	0.33
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	10	0.33
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	10	0.33
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	10	0.33
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	5	0.33
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	13	0.33
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	6	0.33
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	12	0.33
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	14	0.33
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	14	0.33
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	6	0.33
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	6	0.33
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	5	0.33
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	5	0.33
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	17	0.33
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	9	0.33
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	4	0.33
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	4	0.33
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	1	0.33
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	5	0.33
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	18	0.33
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	13	0.33
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	13	0.33
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	13	0.33
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	13	0.33
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	13	0.33
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	3	0.33
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	11	0.33
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	11	0.33
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	11	0.33
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	8	0.33
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	8	0.33
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	15	0.33
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	15	0.33
(1,812)	1:178:A:TRP:HE3	1:188:A:PHE:HB2	3	0.33
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD11	11	0.33
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD12	11	0.33
(1,790)	1:91:A:TYR:HD1	1:136:A:ILE:HD13	11	0.33
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD11	11	0.33
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD12	11	0.33
(1,790)	1:91:A:TYR:HD2	1:136:A:ILE:HD13	11	0.33
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE1	12	0.33
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE2	12	0.33
(1,784)	1:132:A:ALA:H	1:135:A:MET:HE3	12	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	2	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	2	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	2	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	2	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	9	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	9	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG2	9	0.33
(1,753)	1:118:A:LYS:H	1:118:A:LYS:HG3	9	0.33
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	18	0.33
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	18	0.33
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	18	0.33
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	18	0.33
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	18	0.33
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	18	0.33
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	12	0.33
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	12	0.33
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	12	0.33
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	18	0.33
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	18	0.33
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	9	0.33
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	9	0.33
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	9	0.33
(1,617)	1:120:A:ILE:HD11	1:234:A:ILE:HG12	3	0.33
(1,617)	1:120:A:ILE:HD12	1:234:A:ILE:HG12	3	0.33
(1,617)	1:120:A:ILE:HD13	1:234:A:ILE:HG12	3	0.33
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	10	0.33
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	10	0.33
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	10	0.33
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	10	0.33
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	10	0.33
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	10	0.33
(1,601)	1:90:A:THR:H	1:90:A:THR:HG21	17	0.33
(1,601)	1:90:A:THR:H	1:90:A:THR:HG22	17	0.33
(1,601)	1:90:A:THR:H	1:90:A:THR:HG23	17	0.33
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	3	0.33
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	3	0.33
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	3	0.33
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	3	0.33
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	3	0.33
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	20	0.33
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	20	0.33
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	14	0.33
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	18	0.33
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	2	0.33
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	12	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	4	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	4	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	6	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	6	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	9	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	9	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	10	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	10	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	15	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	15	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG2	17	0.33
(1,520)	1:107:A:ARG:HA	1:107:A:ARG:HG3	17	0.33
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	3	0.33
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	3	0.33
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	3	0.33
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	12	0.33
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	18	0.33
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	9	0.33
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	9	0.33
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	9	0.33
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	9	0.33
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	9	0.33
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	9	0.33
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	13	0.33
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	13	0.33
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	4	0.33
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	9	0.33
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	9	0.33
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	9	0.33
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	9	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	6	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	6	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	6	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	6	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	6	0.33
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	6	0.33
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	1	0.33
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	2	0.33
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	2	0.33
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	2	0.33
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	5	0.33
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	5	0.33
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	1	0.33
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	1	0.33
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	10	0.33
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	10	0.33
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	10	0.33
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	16	0.33
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	16	0.33
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	15	0.33
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	15	0.33
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	1	0.33
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	1	0.33
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	1	0.33
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	12	0.33
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	12	0.33
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,216)	1:218:A:ASN:H	1:218:A:ASN:HB3	15	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	10	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	10	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	10	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	10	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	10	0.33
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	10	0.33
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	10	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	6	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	6	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	6	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	6	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	6	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	6	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	6	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	6	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	6	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	9	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	9	0.33
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	9	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	9	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	9	0.33
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	9	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	9	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	9	0.33
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	9	0.33
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	3	0.33
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	3	0.33
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	3	0.33
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	20	0.33
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	20	0.33
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	20	0.33
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	14	0.33
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	14	0.33
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	14	0.33
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	11	0.33
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	11	0.33
(1,135)	1:95:A:SER:H	1:95:A:SER:HB2	1	0.33
(1,135)	1:95:A:SER:H	1:95:A:SER:HB3	1	0.33
(1,134)	1:95:A:SER:HB2	1:96:A:TYR:H	5	0.33
(1,134)	1:95:A:SER:HB3	1:96:A:TYR:H	5	0.33
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	18	0.33
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	18	0.33
(1,112)	1:112:A:ALA:HA	1:115:A:MET:H	19	0.33
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	11	0.33
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	11	0.33
(1,75)	1:37:A:ALA:HA	1:40:A:LYS:H	7	0.33
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	16	0.33
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	16	0.33
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	1	0.33
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	1	0.33
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	17	0.33
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	17	0.33
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	20	0.33
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	20	0.33
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	16	0.33
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	16	0.33
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	16	0.33
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	16	0.33
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	15	0.33
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	15	0.33
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	15	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	3	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	3	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	9	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	9	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	13	0.33
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	13	0.33
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	2	0.32
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	9	0.32
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	18	0.32
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	2	0.32
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	12	0.32
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	12	0.32
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	12	0.32
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	6	0.32
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	6	0.32
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	12	0.32
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	12	0.32
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	12	0.32
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	5	0.32
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	5	0.32
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	5	0.32
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	9	0.32
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	9	0.32
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	9	0.32
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	2	0.32
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	2	0.32
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	2	0.32
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	17	0.32
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	17	0.32
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	17	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	3	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	18	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	18	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	18	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	18	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	18	0.32
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	18	0.32
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	10	0.32
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	10	0.32
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	10	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	11	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	11	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	11	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	11	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	11	0.32
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	11	0.32
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	10	0.32
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	10	0.32
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	10	0.32
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	10	0.32
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	10	0.32
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	10	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	8	0.32
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	8	0.32
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	8	0.32
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	6	0.32
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	6	0.32
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	6	0.32
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	13	0.32
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	20	0.32
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	20	0.32
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	20	0.32
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	20	0.32
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	20	0.32
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	20	0.32
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	8	0.32
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	8	0.32
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	8	0.32
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	17	0.32
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	17	0.32
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	17	0.32
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	6	0.32
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	6	0.32
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	6	0.32
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	7	0.32
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	7	0.32
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	7	0.32
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	17	0.32
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	17	0.32
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	17	0.32
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	17	0.32
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	17	0.32
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	17	0.32
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	6	0.32
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	6	0.32
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	6	0.32
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	6	0.32
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	6	0.32
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	6	0.32
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	6	0.32
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	8	0.32
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	8	0.32
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	8	0.32
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	8	0.32
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	8	0.32
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	8	0.32
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	8	0.32
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	8	0.32
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	8	0.32
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	13	0.32
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	13	0.32
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	13	0.32
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	13	0.32
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	13	0.32
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	13	0.32
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	13	0.32
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	13	0.32
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	13	0.32
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	2	0.32
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	2	0.32
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	2	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	3	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	3	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	3	0.32
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	3	0.32
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	3	0.32
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	3	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	11	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	11	0.32
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	11	0.32
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	11	0.32
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	11	0.32
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	9	0.32
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	14	0.32
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	3	0.32
(1,1750)	1:53:A:MET:H	1:53:A:MET:HB2	15	0.32
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	5	0.32
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	5	0.32
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	5	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	1	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	1	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	2	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	2	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	4	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	4	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	5	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	5	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	6	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	6	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	7	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	7	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	8	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	8	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	10	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	10	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	11	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	11	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	12	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	12	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	13	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	13	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	14	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	14	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	15	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	15	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	16	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	16	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	18	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	18	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	19	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	20	0.32
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	20	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	4	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	4	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	4	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	15	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	15	0.32
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	15	0.32
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	12	0.32
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	11	0.32
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	14	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	2	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	2	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	3	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	3	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	7	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	7	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	9	0.32
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	9	0.32
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	10	0.32
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	15	0.32
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	15	0.32
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	15	0.32
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	15	0.32
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	16	0.32
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	16	0.32
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	16	0.32
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	18	0.32
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	18	0.32
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	18	0.32
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	3	0.32
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	9	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	4	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	4	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	4	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	4	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	6	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	6	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	6	0.32
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	6	0.32
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	9	0.32
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	11	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	11	0.32
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	3	0.32
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	19	0.32
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	16	0.32
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	16	0.32
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	3	0.32
(1,1502)	1:179:A:THR:HB	1:180:A:ASP:H	16	0.32
(1,1496)	1:138:A:PHE:HD1	1:178:A:TRP:HE1	13	0.32
(1,1496)	1:138:A:PHE:HD2	1:178:A:TRP:HE1	13	0.32
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	7	0.32
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	7	0.32
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	7	0.32
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	1	0.32
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	1	0.32
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD1	3	0.32
(1,1476)	1:172:A:PHE:H	1:172:A:PHE:HD2	3	0.32
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	1	0.32
(1,1446)	1:158:A:HIS:H	1:158:A:HIS:HD2	18	0.32
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	12	0.32
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	12	0.32
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	5	0.32
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	5	0.32
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	15	0.32
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	15	0.32
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	19	0.32
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	18	0.32
(1,1399)	1:93:A:ILE:HG21	1:136:A:ILE:H	5	0.32
(1,1399)	1:93:A:ILE:HG22	1:136:A:ILE:H	5	0.32
(1,1399)	1:93:A:ILE:HG23	1:136:A:ILE:H	5	0.32
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	3	0.32
(1,1375)	1:128:A:VAL:H	1:128:A:VAL:HB	19	0.32
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	9	0.32
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	9	0.32
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	17	0.32
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	17	0.32
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	15	0.32
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	1	0.32
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	1	0.32
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	1	0.32
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	10	0.32
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG2	7	0.32
(1,1286)	1:106:A:ASP:H	1:107:A:ARG:HG3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	6	0.32
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	6	0.32
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	6	0.32
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	8	0.32
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	8	0.32
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	8	0.32
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	8	0.32
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	20	0.32
(1,1162)	1:211:A:VAL:H	1:227:A:SER:H	5	0.32
(1,1136)	1:198:A:HIS:H	1:199:A:SER:H	20	0.32
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	7	0.32
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	7	0.32
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	16	0.32
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	4	0.32
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	6	0.32
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	11	0.32
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	13	0.32
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	17	0.32
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	20	0.32
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	12	0.32
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	2	0.32
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	7	0.32
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	10	0.32
(1,1040)	1:120:A:ILE:HD11	1:122:A:LEU:H	2	0.32
(1,1040)	1:120:A:ILE:HD12	1:122:A:LEU:H	2	0.32
(1,1040)	1:120:A:ILE:HD13	1:122:A:LEU:H	2	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	7	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	7	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	16	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	16	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	19	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	19	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	20	0.32
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	20	0.32
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	2	0.32
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	1	0.32
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	2	0.32
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	5	0.32
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	3	0.32
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	3	0.32
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	3	0.32
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD11	5	0.32
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD12	5	0.32
(1,961)	1:61:A:ILE:H	1:61:A:ILE:HD13	5	0.32
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	17	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	12	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	12	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	12	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	15	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	15	0.32
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	15	0.32
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	15	0.32
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	19	0.32
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	5	0.32
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	18	0.32
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	12	0.32
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	12	0.32
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	1	0.32
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	16	0.32
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	7	0.32
(1,892)	1:17:A:ASP:H	1:18:A:TYR:H	17	0.32
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	7	0.32
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	5	0.32
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	19	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	3	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	6	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	9	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	11	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	14	0.32
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	17	0.32
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	9	0.32
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	9	0.32
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	9	0.32
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	9	0.32
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	9	0.32
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	9	0.32
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	14	0.32
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	3	0.32
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	3	0.32
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	5	0.32
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	5	0.32
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	18	0.32
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	9	0.32
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	9	0.32
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	3	0.32
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	3	0.32
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	13	0.32
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	13	0.32
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	8	0.32
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	8	0.32
(1,630)	1:4:A:ALA:HB1	1:59:A:ILE:HB	5	0.32
(1,630)	1:4:A:ALA:HB2	1:59:A:ILE:HB	5	0.32
(1,630)	1:4:A:ALA:HB3	1:59:A:ILE:HB	5	0.32
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	13	0.32
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	13	0.32
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	13	0.32
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	8	0.32
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	8	0.32
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	8	0.32
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD1	18	0.32
(1,587)	1:146:A:SER:HB2	1:147:A:TYR:HD2	18	0.32
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD1	18	0.32
(1,587)	1:146:A:SER:HB3	1:147:A:TYR:HD2	18	0.32
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	6	0.32
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	6	0.32
(1,569)	1:99:A:ASP:HB2	1:178:A:TRP:H	14	0.32
(1,569)	1:99:A:ASP:HB3	1:178:A:TRP:H	14	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	7	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	7	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	11	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	11	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	13	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	13	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB2	19	0.32
(1,558)	1:116:A:TRP:HH2	1:202:A:MET:HB3	19	0.32
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	15	0.32
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	4	0.32
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	14	0.32
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	18	0.32
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	12	0.32
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	13	0.32
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	15	0.32
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	19	0.32
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	20	0.32
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	20	0.32
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	20	0.32
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	20	0.32
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	20	0.32
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	20	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	4	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	4	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	14	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	14	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG2	18	0.32
(1,476)	1:36:A:GLU:HA	1:36:A:GLU:HG3	18	0.32
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	17	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	13	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	13	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	13	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	20	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	20	0.32
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	20	0.32
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	4	0.32
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	12	0.32
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	7	0.32
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	7	0.32
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	7	0.32
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	5	0.32
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	5	0.32
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	5	0.32
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	5	0.32
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	5	0.32
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	5	0.32
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	5	0.32
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	5	0.32
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	5	0.32
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	6	0.32
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	6	0.32
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	6	0.32
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	6	0.32
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	6	0.32
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	6	0.32
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	6	0.32
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	6	0.32
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	7	0.32
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	7	0.32
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	7	0.32
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	7	0.32
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	7	0.32
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	7	0.32
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	13	0.32
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	13	0.32
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	13	0.32
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	13	0.32
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	13	0.32
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	13	0.32
(1,401)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	13	0.32
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	8	0.32
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	8	0.32
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	9	0.32
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	9	0.32
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	8	0.32
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	12	0.32
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	12	0.32
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG2	15	0.32
(1,332)	1:120:A:ILE:HB	1:121:A:PRO:HG3	15	0.32
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	9	0.32
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	9	0.32
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	1	0.32
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	1	0.32
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	1	0.32
(1,261)	1:104:A:THR:HG21	1:180:A:ASP:HB3	11	0.32
(1,261)	1:104:A:THR:HG22	1:180:A:ASP:HB3	11	0.32
(1,261)	1:104:A:THR:HG23	1:180:A:ASP:HB3	11	0.32
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	5	0.32
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	5	0.32
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	5	0.32
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	5	0.32
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	5	0.32
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	5	0.32
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	2	0.32
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	2	0.32
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	2	0.32
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	5	0.32
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	5	0.32
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	5	0.32
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	5	0.32
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	8	0.32
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	8	0.32
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	8	0.32
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	5	0.32
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	5	0.32
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	17	0.32
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	17	0.32
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	17	0.32
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	3	0.32
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	3	0.32
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	3	0.32
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	3	0.32
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	3	0.32
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	3	0.32
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	2	0.32
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	20	0.32
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	19	0.32
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	19	0.32
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG2	20	0.32
(1,67)	1:28:A:GLU:HA	1:28:A:GLU:HG3	20	0.32
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	18	0.32
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	18	0.32
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	4	0.32
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	4	0.32
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	8	0.32
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	8	0.32
(1,28)	1:160:A:PHE:HE1	1:171:A:HIS:HE1	17	0.32
(1,28)	1:160:A:PHE:HE2	1:171:A:HIS:HE1	17	0.32
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	11	0.32
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	11	0.32
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	2	0.31
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	14	0.31
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	13	0.31
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	1	0.31
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	16	0.31
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	16	0.31
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	16	0.31
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	12	0.31
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	12	0.31
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	12	0.31
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	7	0.31
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	7	0.31
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	7	0.31
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	9	0.31
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	9	0.31
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	9	0.31
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	4	0.31
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	4	0.31
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	4	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	6	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	6	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	6	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	12	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	12	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	12	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	14	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	14	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	14	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	16	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	16	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	16	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	20	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	20	0.31
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	20	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	3	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	3	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	3	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	6	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	6	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	6	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	12	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	12	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	12	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	16	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	16	0.31
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	6	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	6	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	6	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	6	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	6	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	6	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	6	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	6	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	6	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	13	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	13	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	13	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	13	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	13	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	13	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	13	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	13	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	13	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	19	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	19	0.31
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	19	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	19	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	19	0.31
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	19	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	19	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	19	0.31
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	19	0.31
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	17	0.31
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	17	0.31
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	17	0.31
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	3	0.31
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	3	0.31
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	3	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	1	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	1	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	1	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	9	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	9	0.31
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	9	0.31
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	17	0.31
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	17	0.31
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	13	0.31
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	13	0.31
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	13	0.31
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	17	0.31
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	17	0.31
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	17	0.31
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	17	0.31
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	17	0.31
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	17	0.31
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	1	0.31
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	1	0.31
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	1	0.31
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	1	0.31
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	1	0.31
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	1	0.31
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	16	0.31
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	16	0.31
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	16	0.31
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	5	0.31
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	5	0.31
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	5	0.31
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	5	0.31
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	5	0.31
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	5	0.31
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	5	0.31
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	13	0.31
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	13	0.31
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	13	0.31
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	13	0.31
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	13	0.31
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	13	0.31
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	9	0.31
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	9	0.31
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	9	0.31
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	9	0.31
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	9	0.31
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	9	0.31
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	9	0.31
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	15	0.31
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	15	0.31
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	15	0.31
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	15	0.31
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	15	0.31
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	15	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	9	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	9	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	9	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	9	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	9	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	9	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	9	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	9	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	9	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	11	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	11	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	11	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	11	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	11	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	11	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	11	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	11	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	11	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	17	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	17	0.31
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	17	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	17	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	17	0.31
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	17	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	17	0.31
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	17	0.31
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	7	0.31
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	7	0.31
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	7	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	10	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	10	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	10	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	10	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	10	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	10	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	15	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	15	0.31
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	15	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	15	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	15	0.31
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	15	0.31
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	4	0.31
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	4	0.31
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	4	0.31
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	13	0.31
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	20	0.31
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	17	0.31
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	17	0.31
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	2	0.31
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	20	0.31
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	20	0.31
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	20	0.31
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	9	0.31
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	4	0.31
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	17	0.31
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	18	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	4	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	4	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	5	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	5	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	6	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	6	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	11	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	11	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	15	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	18	0.31
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	18	0.31
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	9	0.31
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	9	0.31
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	5	0.31
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	5	0.31
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	9	0.31
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	9	0.31
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	9	0.31
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	9	0.31
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	11	0.31
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	13	0.31
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	14	0.31
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	8	0.31
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	8	0.31
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	8	0.31
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	8	0.31
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	5	0.31
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	8	0.31
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	8	0.31
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	8	0.31
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	14	0.31
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	14	0.31
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	14	0.31
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	19	0.31
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	1	0.31
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	1	0.31
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	1	0.31
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	1	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	4	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	6	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	7	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	14	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	16	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	17	0.31
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	18	0.31
(1,1554)	1:161:A:ALA:HA	1:201:A:GLY:H	4	0.31
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	18	0.31
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	18	0.31
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	20	0.31
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	16	0.31
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	4	0.31
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	4	0.31
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	4	0.31
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB2	1	0.31
(1,1507)	1:21:A:ARG:H	1:22:A:PHE:HB3	1	0.31
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	18	0.31
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	18	0.31
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	18	0.31
(1,1493)	1:177:A:ARG:HG3	1:178:A:TRP:H	8	0.31
(1,1493)	1:177:A:ARG:HG2	1:178:A:TRP:H	8	0.31
(1,1493)	1:177:A:ARG:HG2	1:178:A:TRP:H	8	0.31
(1,1493)	1:177:A:ARG:HG3	1:178:A:TRP:H	8	0.31
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	17	0.31
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	11	0.31
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	11	0.31
(1,1462)	1:166:A:LEU:HB3	1:167:A:GLY:H	13	0.31
(1,1462)	1:166:A:LEU:HB2	1:167:A:GLY:H	13	0.31
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	12	0.31
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	12	0.31
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	3	0.31
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	3	0.31
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	3	0.31
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	13	0.31
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	17	0.31
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	14	0.31
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	19	0.31
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	19	0.31
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	20	0.31
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	20	0.31
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	20	0.31
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	5	0.31
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	5	0.31
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	5	0.31
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	20	0.31
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	20	0.31
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	20	0.31
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	3	0.31
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	15	0.31
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	15	0.31
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	12	0.31
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	12	0.31
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	1	0.31
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	1	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	1	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	1	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	11	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	11	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	13	0.31
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	13	0.31
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	2	0.31
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	2	0.31
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	17	0.31
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	17	0.31
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	3	0.31
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	3	0.31
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	6	0.31
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	13	0.31
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	2	0.31
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	3	0.31
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	2	0.31
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	2	0.31
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	2	0.31
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	2	0.31
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	16	0.31
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	16	0.31
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	4	0.31
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	4	0.31
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	13	0.31
(1,1135)	1:197:A:GLY:H	1:198:A:HIS:H	13	0.31
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	15	0.31
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	3	0.31
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	13	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	1	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	1	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	1	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	2	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	2	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	2	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	15	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	15	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	15	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	19	0.31
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	19	0.31
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	1	0.31
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	9	0.31
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	15	0.31
(1,1083)	1:158:A:HIS:HB2	1:159:A:ALA:H	15	0.31
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	15	0.31
(1,1083)	1:158:A:HIS:HB3	1:159:A:ALA:H	15	0.31
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	14	0.31
(1,1063)	1:136:A:ILE:H	1:136:A:ILE:HB	18	0.31
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	8	0.31
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	16	0.31
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	10	0.31
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	14	0.31
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	14	0.31
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	12	0.31
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	6	0.31
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	6	0.31
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	6	0.31
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	16	0.31
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	10	0.31
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	15	0.31
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	14	0.31
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	14	0.31
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	20	0.31
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	20	0.31
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	2	0.31
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	2	0.31
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	2	0.31
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	5	0.31
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	9	0.31
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	14	0.31
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	16	0.31
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	9	0.31
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	16	0.31
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	2	0.31
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	2	0.31
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	18	0.31
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	18	0.31
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	4	0.31
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	12	0.31
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	15	0.31
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	10	0.31
(1,887)	1:15:A:ALA:H	1:16:A:GLN:H	9	0.31
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	20	0.31
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	8	0.31
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	15	0.31
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	4	0.31
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	4	0.31
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	4	0.31
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	4	0.31
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	6	0.31
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	6	0.31
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	6	0.31
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	6	0.31
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	6	0.31
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	6	0.31
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	19	0.31
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	19	0.31
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	19	0.31
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	19	0.31
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	19	0.31
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	19	0.31
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	14	0.31
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	14	0.31
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	14	0.31
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	5	0.31
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	5	0.31
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	5	0.31
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	18	0.31
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	18	0.31
(1,824)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	16	0.31
(1,824)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	16	0.31
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	14	0.31
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	16	0.31
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	16	0.31
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	16	0.31
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	16	0.31
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	16	0.31
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	16	0.31
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	12	0.31
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	1	0.31
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	1	0.31
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	1	0.31
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	1	0.31
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	1	0.31
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	10	0.31
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	10	0.31
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	20	0.31
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	20	0.31
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	3	0.31
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	3	0.31
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	4	0.31
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	4	0.31
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	1	0.31
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	1	0.31
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	16	0.31
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	16	0.31
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	16	0.31
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	16	0.31
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	16	0.31
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	16	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	9	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	9	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	9	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	10	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	10	0.31
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	10	0.31
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	3	0.31
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	3	0.31
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	3	0.31
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	3	0.31
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	3	0.31
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	3	0.31
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	12	0.31
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	12	0.31
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	12	0.31
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	7	0.31
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	7	0.31
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	7	0.31
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	8	0.31
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	8	0.31
(1,546)	1:51:A:THR:H	1:51:A:THR:HB	11	0.31
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	8	0.31
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	2	0.31
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	2	0.31
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	9	0.31
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	9	0.31
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	9	0.31
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	4	0.31
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	9	0.31
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	17	0.31
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	11	0.31
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	11	0.31
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	1	0.31
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	14	0.31
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	14	0.31
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	14	0.31
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	19	0.31
(1,433)	1:92:A:ARG:H	1:134:A:ILE:HB	2	0.31
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	13	0.31
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	13	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	14	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	14	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	14	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	14	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	14	0.31
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	14	0.31
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG21	20	0.31
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG22	20	0.31
(1,413)	1:61:A:ILE:HD11	1:215:A:THR:HG23	20	0.31
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG21	20	0.31
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG22	20	0.31
(1,413)	1:61:A:ILE:HD12	1:215:A:THR:HG23	20	0.31
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG21	20	0.31
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG22	20	0.31
(1,413)	1:61:A:ILE:HD13	1:215:A:THR:HG23	20	0.31
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	10	0.31
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	10	0.31
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	17	0.31
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	17	0.31
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	17	0.31
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	17	0.31
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	17	0.31
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	10	0.31
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	18	0.31
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	8	0.31
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	8	0.31
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	15	0.31
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	15	0.31
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	13	0.31
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	13	0.31
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	13	0.31
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	13	0.31
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	13	0.31
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	13	0.31
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	4	0.31
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	4	0.31
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	4	0.31
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	4	0.31
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	14	0.31
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	14	0.31
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	14	0.31
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	14	0.31
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	14	0.31
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	14	0.31
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	13	0.31
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	13	0.31
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	13	0.31
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	14	0.31
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	14	0.31
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	14	0.31
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	19	0.31
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	19	0.31
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	19	0.31
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	10	0.31
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	10	0.31
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	10	0.31
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	10	0.31
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	10	0.31
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	10	0.31
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	20	0.31
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	20	0.31
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	20	0.31
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	20	0.31
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	20	0.31
(1,165)	1:51:A:THR:H	1:51:A:THR:HG21	12	0.31
(1,165)	1:51:A:THR:H	1:51:A:THR:HG22	12	0.31
(1,165)	1:51:A:THR:H	1:51:A:THR:HG23	12	0.31
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	2	0.31
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	2	0.31
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	2	0.31
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	5	0.31
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	16	0.31
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	9	0.31
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	9	0.31
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	9	0.31
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	9	0.31
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	4	0.31
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	10	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	5	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	5	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	5	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	6	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	6	0.31
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	6	0.31
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	7	0.31
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	7	0.31
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	8	0.3
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	14	0.3
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	15	0.3
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	5	0.3
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	8	0.3
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	5	0.3
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	6	0.3
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD21	17	0.3
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD22	17	0.3
(1,2241)	1:48:A:LEU:H	1:48:A:LEU:HD23	17	0.3
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	1	0.3
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	1	0.3
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	1	0.3
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	15	0.3
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	15	0.3
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	15	0.3
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	16	0.3
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	16	0.3
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	2	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	2	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	2	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	3	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	3	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	3	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	6	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	6	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	6	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	7	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	7	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	7	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	11	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	11	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	11	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	13	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	13	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	13	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	17	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	17	0.3
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	17	0.3
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	1	0.3
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	1	0.3
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	1	0.3
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD11	12	0.3
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD12	12	0.3
(1,2202)	1:84:A:TRP:H	1:122:A:LEU:HD13	12	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	3	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	3	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	3	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	5	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	5	0.3
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	5	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	17	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	17	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	17	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	19	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	19	0.3
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	19	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	3	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	3	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	3	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	3	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	3	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	3	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	3	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	3	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	4	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	4	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	4	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	4	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	4	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	4	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	4	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	4	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	4	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	5	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	5	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	5	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	5	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	5	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	5	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	5	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	5	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	5	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	12	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	12	0.3
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	12	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	12	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	12	0.3
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	12	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	12	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	12	0.3
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	12	0.3
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	4	0.3
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	4	0.3
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	4	0.3
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG2	3	0.3
(1,2122)	1:94:A:VAL:HG21	1:135:A:MET:HG3	3	0.3
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG2	3	0.3
(1,2122)	1:94:A:VAL:HG22	1:135:A:MET:HG3	3	0.3
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG2	3	0.3
(1,2122)	1:94:A:VAL:HG23	1:135:A:MET:HG3	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	8	0.3
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	8	0.3
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	8	0.3
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	8	0.3
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	8	0.3
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	8	0.3
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	8	0.3
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	11	0.3
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	11	0.3
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	11	0.3
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	11	0.3
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	11	0.3
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	11	0.3
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	11	0.3
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	2	0.3
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	2	0.3
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	2	0.3
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	2	0.3
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	2	0.3
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	2	0.3
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	9	0.3
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	9	0.3
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	9	0.3
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	18	0.3
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	18	0.3
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	18	0.3
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	18	0.3
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	18	0.3
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	18	0.3
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	18	0.3
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	18	0.3
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	2	0.3
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	2	0.3
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	2	0.3
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	9	0.3
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	9	0.3
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	9	0.3
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	9	0.3
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	9	0.3
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	9	0.3
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	10	0.3
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	10	0.3
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	10	0.3
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	10	0.3
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	10	0.3
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	10	0.3
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	10	0.3
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	10	0.3
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	10	0.3
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	10	0.3
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	10	0.3
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	10	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	1	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	1	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	1	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	1	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	1	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	1	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	1	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	1	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	1	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	5	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	5	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	5	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	5	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	5	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	5	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	5	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	5	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	5	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	6	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	6	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	6	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	6	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	6	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	6	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	6	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	6	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	8	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	8	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	8	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	8	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	8	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	8	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	8	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	8	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	8	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	12	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	12	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	12	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	12	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	12	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	12	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	12	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	12	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	12	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	15	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	15	0.3
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	15	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	15	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	15	0.3
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	15	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	15	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	15	0.3
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	15	0.3
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	2	0.3
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	2	0.3
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	2	0.3
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	19	0.3
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	19	0.3
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	19	0.3
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	6	0.3
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	6	0.3
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	6	0.3
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	6	0.3
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	6	0.3
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	14	0.3
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	14	0.3
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	14	0.3
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	14	0.3
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	14	0.3
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	14	0.3
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	15	0.3
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	15	0.3
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	15	0.3
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	7	0.3
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	7	0.3
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	17	0.3
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	17	0.3
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG2	17	0.3
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG3	17	0.3
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	3	0.3
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	3	0.3
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG2	9	0.3
(1,1733)	1:74:A:GLU:H	1:74:A:GLU:HG3	9	0.3
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	13	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	6	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	6	0.3
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	6	0.3
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	3	0.3
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	5	0.3
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	8	0.3
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	13	0.3
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG2	19	0.3
(1,1699)	1:57:A:ARG:H	1:57:A:ARG:HG3	19	0.3
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	5	0.3
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	5	0.3
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	19	0.3
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	19	0.3
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	1	0.3
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	1	0.3
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	2	0.3
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	2	0.3
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	16	0.3
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	16	0.3
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	16	0.3
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	1	0.3
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	15	0.3
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	5	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	5	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	5	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	5	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	5	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	19	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	19	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD2	19	0.3
(1,1632)	1:20:A:LYS:H	1:20:A:LYS:HD3	19	0.3
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	18	0.3
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	12	0.3
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	12	0.3
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	6	0.3
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	9	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	2	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	2	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	2	0.3
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	2	0.3
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	3	0.3
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	13	0.3
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	19	0.3
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	20	0.3
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	2	0.3
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	2	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	5	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	10	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	12	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	14	0.3
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	19	0.3
(1,1467)	1:160:A:PHE:HD1	1:169:A:ASP:H	15	0.3
(1,1467)	1:160:A:PHE:HD2	1:169:A:ASP:H	15	0.3
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	11	0.3
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	18	0.3
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	6	0.3
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	6	0.3
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	7	0.3
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	7	0.3
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	7	0.3
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	13	0.3
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB2	13	0.3
(1,1422)	1:147:A:TYR:H	1:147:A:TYR:HB3	13	0.3
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	5	0.3
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	15	0.3
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	6	0.3
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	4	0.3
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	4	0.3
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	10	0.3
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	11	0.3
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	11	0.3
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	11	0.3
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	11	0.3
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	13	0.3
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	13	0.3
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	20	0.3
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	10	0.3
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	10	0.3
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	9	0.3
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	9	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	12	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	12	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	17	0.3
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	17	0.3
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	10	0.3
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	10	0.3
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD11	18	0.3
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD12	18	0.3
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD13	18	0.3
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	20	0.3
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	9	0.3
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	7	0.3
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	11	0.3
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	10	0.3
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	10	0.3
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	8	0.3
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	12	0.3
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	13	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	5	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	5	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	6	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	8	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	8	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	9	0.3
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	9	0.3
(1,1122)	1:206:A:SER:H	1:207:A:ASP:H	15	0.3
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	16	0.3
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	13	0.3
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	4	0.3
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	1	0.3
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	5	0.3
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	5	0.3
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	5	0.3
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	13	0.3
(1,1036)	1:119:A:GLU:H	1:120:A:ILE:H	3	0.3
(1,1034)	1:119:A:GLU:H	1:120:A:ILE:H	3	0.3
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	12	0.3
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	3	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	2	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	3	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	4	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	5	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	6	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	9	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	12	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	13	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	14	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	17	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	18	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	19	0.3
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	20	0.3
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	20	0.3
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	8	0.3
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	8	0.3
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	8	0.3
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	14	0.3
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	15	0.3
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	6	0.3
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	3	0.3
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	10	0.3
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	13	0.3
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	15	0.3
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	19	0.3
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	15	0.3
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	15	0.3
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	7	0.3
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	8	0.3
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	12	0.3
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	7	0.3
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	8	0.3
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	8	0.3
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	2	0.3
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	11	0.3
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	11	0.3
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	11	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	6	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	7	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	8	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	9	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	19	0.3
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	20	0.3
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	11	0.3
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	13	0.3
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	14	0.3
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB2	12	0.3
(1,878)	1:241:A:ARG:H	1:241:A:ARG:HB3	12	0.3
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	16	0.3
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	16	0.3
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	16	0.3
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	16	0.3
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE1	17	0.3
(1,871)	1:237:A:LEU:HB2	1:238:A:TYR:HE2	17	0.3
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE1	17	0.3
(1,871)	1:237:A:LEU:HB3	1:238:A:TYR:HE2	17	0.3
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	13	0.3
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	7	0.3
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	7	0.3
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	16	0.3
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	16	0.3
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	16	0.3
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	16	0.3
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	16	0.3
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	16	0.3
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	16	0.3
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	1	0.3
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	1	0.3
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	1	0.3
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	10	0.3
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	10	0.3
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	10	0.3
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	10	0.3
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	11	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	10	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	12	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	15	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	18	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	19	0.3
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	20	0.3
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	12	0.3
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	12	0.3
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	12	0.3
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	12	0.3
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	12	0.3
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	12	0.3
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	5	0.3
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	5	0.3
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	5	0.3
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	5	0.3
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	5	0.3
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	5	0.3
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	13	0.3
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	13	0.3
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	13	0.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	5	0.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	5	0.3
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	5	0.3
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	5	0.3
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	5	0.3
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	5	0.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	8	0.3
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	8	0.3
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	8	0.3
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	8	0.3
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	8	0.3
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	10	0.3
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	10	0.3
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	10	0.3
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	2	0.3
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	7	0.3
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	18	0.3
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	13	0.3
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	13	0.3
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	6	0.3
(1,482)	1:109:A:VAL:HA	1:111:A:LYS:H	10	0.3
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	12	0.3
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	12	0.3
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	12	0.3
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	16	0.3
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	16	0.3
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	16	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	6	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	6	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	6	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	17	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	17	0.3
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	17	0.3
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	18	0.3
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	18	0.3
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB2	12	0.3
(1,407)	1:97:A:THR:HG21	1:100:A:LEU:HB3	12	0.3
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB2	12	0.3
(1,407)	1:97:A:THR:HG22	1:100:A:LEU:HB3	12	0.3
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB2	12	0.3
(1,407)	1:97:A:THR:HG23	1:100:A:LEU:HB3	12	0.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG21	9	0.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG22	9	0.3
(1,386)	1:46:A:PHE:HB2	1:61:A:ILE:HG23	9	0.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG21	9	0.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG22	9	0.3
(1,386)	1:46:A:PHE:HB3	1:61:A:ILE:HG23	9	0.3
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	18	0.3
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	18	0.3
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	18	0.3
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	6	0.3
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	6	0.3
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	6	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	1	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	1	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	1	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	5	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	5	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	5	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	6	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	6	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	6	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	8	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	8	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	8	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.3
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	20	0.3
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	20	0.3
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	3	0.3
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	3	0.3
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG21	17	0.3
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG22	17	0.3
(1,323)	1:112:A:ALA:HA	1:193:A:THR:HG23	17	0.3
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	20	0.3
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	13	0.3
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	13	0.3
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	3	0.3
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	2	0.3
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	2	0.3
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	2	0.3
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	2	0.3
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	10	0.3
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	10	0.3
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	10	0.3
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	10	0.3
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	10	0.3
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	10	0.3
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	10	0.3
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	10	0.3
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	10	0.3
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	8	0.3
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	8	0.3
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	8	0.3
(1,174)	1:202:A:MET:HE1	1:233:A:GLY:HA3	18	0.3
(1,174)	1:202:A:MET:HE2	1:233:A:GLY:HA3	18	0.3
(1,174)	1:202:A:MET:HE3	1:233:A:GLY:HA3	18	0.3
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	16	0.3
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	7	0.3
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	9	0.3
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	10	0.3
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	6	0.3
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	6	0.3
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	5	0.29
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	8	0.29
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	17	0.29
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	10	0.29
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	7	0.29
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	10	0.29
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	10	0.29
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	10	0.29
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	9	0.29
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	9	0.29
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	9	0.29
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	11	0.29
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	11	0.29
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	11	0.29
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	12	0.29
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	12	0.29
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	12	0.29
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	13	0.29
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	13	0.29
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	13	0.29
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	1	0.29
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	1	0.29
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	1	0.29
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	6	0.29
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	6	0.29
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	6	0.29
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	17	0.29
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	17	0.29
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	17	0.29
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	18	0.29
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	18	0.29
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	14	0.29
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	14	0.29
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	14	0.29
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	14	0.29
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	14	0.29
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	14	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	2	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	2	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	2	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	18	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	18	0.29
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	18	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	2	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	2	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	2	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	7	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	7	0.29
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	7	0.29
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	11	0.29
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	11	0.29
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	11	0.29
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	11	0.29
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	11	0.29
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	11	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	2	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	2	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	2	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	2	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	2	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	2	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	2	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	2	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	2	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	7	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	7	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	7	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	7	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	7	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	7	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	7	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	7	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	16	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	16	0.29
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	16	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	16	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	16	0.29
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	16	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	16	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	16	0.29
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	16	0.29
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	18	0.29
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	18	0.29
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	18	0.29
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	18	0.29
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	18	0.29
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	18	0.29
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	18	0.29
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	2	0.29
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	2	0.29
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	2	0.29
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	2	0.29
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	2	0.29
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	2	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	4	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	4	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	4	0.29
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	4	0.29
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	4	0.29
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	4	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	4	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	4	0.29
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	4	0.29
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	18	0.29
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	18	0.29
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	18	0.29
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	9	0.29
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	9	0.29
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	9	0.29
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	9	0.29
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	9	0.29
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	9	0.29
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	9	0.29
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	9	0.29
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	4	0.29
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	4	0.29
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	4	0.29
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	3	0.29
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	3	0.29
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	3	0.29
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	11	0.29
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	11	0.29
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	11	0.29
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	11	0.29
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	11	0.29
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	11	0.29
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	17	0.29
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	17	0.29
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	17	0.29
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD11	20	0.29
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD12	20	0.29
(1,1844)	1:109:A:VAL:HG21	1:113:A:LEU:HD13	20	0.29
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD11	20	0.29
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD12	20	0.29
(1,1844)	1:109:A:VAL:HG22	1:113:A:LEU:HD13	20	0.29
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD11	20	0.29
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD12	20	0.29
(1,1844)	1:109:A:VAL:HG23	1:113:A:LEU:HD13	20	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	3	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	3	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	3	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	3	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	3	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	3	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	3	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	3	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	3	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	4	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	4	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	4	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	4	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	4	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	4	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	4	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	4	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	7	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	7	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	7	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	7	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	7	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	7	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	7	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	7	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	7	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	14	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	14	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	14	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	14	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	14	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	14	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	14	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	14	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	14	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	16	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	16	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	16	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	16	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	16	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	16	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	16	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	16	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	16	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	18	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	18	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	18	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	18	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	18	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	18	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	18	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	18	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	20	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	20	0.29
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	20	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	20	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	20	0.29
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	20	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	20	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	20	0.29
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	20	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	1	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	1	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	1	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	3	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	3	0.29
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	3	0.29
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	6	0.29
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	6	0.29
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	6	0.29
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	14	0.29
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	14	0.29
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	14	0.29
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	14	0.29
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	16	0.29
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	2	0.29
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	2	0.29
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	2	0.29
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	19	0.29
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	19	0.29
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	19	0.29
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	7	0.29
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	1	0.29
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	10	0.29
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	17	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	1	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	6	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	10	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	12	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	15	0.29
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	20	0.29
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	11	0.29
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	16	0.29
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	20	0.29
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	20	0.29
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	12	0.29
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	12	0.29
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	13	0.29
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	13	0.29
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	7	0.29
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	7	0.29
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	4	0.29
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	11	0.29
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	11	0.29
(1,1642)	1:10:A:LEU:HB2	1:11:A:GLN:H	11	0.29
(1,1642)	1:10:A:LEU:HB3	1:11:A:GLN:H	11	0.29
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	5	0.29
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	1	0.29
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	14	0.29
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	14	0.29
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	20	0.29
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	20	0.29
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	13	0.29
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	19	0.29
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	11	0.29
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	11	0.29
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	2	0.29
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	19	0.29
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	19	0.29
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	19	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	11	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	11	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	11	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	16	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	16	0.29
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	16	0.29
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	5	0.29
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	5	0.29
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	13	0.29
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	13	0.29
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	19	0.29
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	19	0.29
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	19	0.29
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	12	0.29
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	13	0.29
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	13	0.29
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	12	0.29
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	12	0.29
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	10	0.29
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	10	0.29
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	7	0.29
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	13	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	1	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	3	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	4	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	5	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	7	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	8	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	13	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	15	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	16	0.29
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	17	0.29
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	2	0.29
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	2	0.29
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	15	0.29
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	15	0.29
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	4	0.29
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	1	0.29
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	16	0.29
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	6	0.29
(1,1112)	1:175:A:ASP:H	1:178:A:TRP:HE1	12	0.29
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	17	0.29
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	17	0.29
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	17	0.29
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	8	0.29
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	10	0.29
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	5	0.29
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	1	0.29
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	11	0.29
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	2	0.29
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	12	0.29
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	2	0.29
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	7	0.29
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	1	0.29
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	7	0.29
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	11	0.29
(1,1019)	1:111:A:LYS:H	1:112:A:ALA:H	16	0.29
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	3	0.29
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	3	0.29
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	6	0.29
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	6	0.29
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	6	0.29
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	6	0.29
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	16	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	2	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	3	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	6	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	13	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	19	0.29
(1,958)	1:60:A:GLU:H	1:61:A:ILE:H	20	0.29
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	2	0.29
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	12	0.29
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	7	0.29
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	20	0.29
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	2	0.29
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	15	0.29
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	15	0.29
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	4	0.29
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	9	0.29
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	10	0.29
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	11	0.29
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	13	0.29
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	5	0.29
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	13	0.29
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	6	0.29
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	10	0.29
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	12	0.29
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	13	0.29
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	20	0.29
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	5	0.29
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	13	0.29
(1,890)	1:16:A:GLN:H	1:16:A:GLN:HE21	9	0.29
(1,890)	1:16:A:GLN:H	1:16:A:GLN:HE22	9	0.29
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	14	0.29
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	7	0.29
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	13	0.29
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	1	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	2	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	4	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	5	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	10	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	11	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	15	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	16	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	17	0.29
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	18	0.29
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	6	0.29
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	12	0.29
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	12	0.29
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG2	13	0.29
(1,858)	1:231:A:ILE:HG21	1:235:A:GLN:HG3	13	0.29
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG2	13	0.29
(1,858)	1:231:A:ILE:HG22	1:235:A:GLN:HG3	13	0.29
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG2	13	0.29
(1,858)	1:231:A:ILE:HG23	1:235:A:GLN:HG3	13	0.29
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	11	0.29
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	11	0.29
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	19	0.29
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	8	0.29
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	8	0.29
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	8	0.29
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	5	0.29
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	10	0.29
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	14	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	1	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	2	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	3	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	4	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	5	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	6	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	7	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	8	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	9	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	11	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	13	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	14	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	16	0.29
(1,741)	1:109:A:VAL:H	1:109:A:VAL:HB	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	7	0.29
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	7	0.29
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	7	0.29
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	5	0.29
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	5	0.29
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	5	0.29
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	5	0.29
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	5	0.29
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	5	0.29
(1,707)	1:88:A:VAL:H	1:88:A:VAL:HB	9	0.29
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	15	0.29
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	15	0.29
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	15	0.29
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	14	0.29
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	14	0.29
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	14	0.29
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	15	0.29
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	15	0.29
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	15	0.29
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	15	0.29
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	15	0.29
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	15	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	1	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	1	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	1	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	2	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	2	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	2	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	3	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	3	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	3	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	4	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	4	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	4	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	5	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	5	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	5	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	6	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	6	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	6	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	7	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	7	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	8	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	8	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	8	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	9	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	9	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	9	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	10	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	10	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	10	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	11	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	11	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	11	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	12	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	12	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	12	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	13	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	13	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	13	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	14	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	14	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	14	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	15	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	15	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	15	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	16	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	16	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	16	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	17	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	17	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	17	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	18	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	18	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	18	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	19	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	19	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	19	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD11	20	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD12	20	0.29
(1,618)	1:136:A:ILE:HB	1:136:A:ILE:HD13	20	0.29
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	16	0.29
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	16	0.29
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	16	0.29
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	16	0.29
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	16	0.29
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	11	0.29
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	11	0.29
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	11	0.29
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	2	0.29
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	2	0.29
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	2	0.29
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	2	0.29
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	2	0.29
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	2	0.29
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	11	0.29
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	11	0.29
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	11	0.29
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	11	0.29
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	11	0.29
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	11	0.29
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	15	0.29
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	15	0.29
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	15	0.29
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	3	0.29
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	3	0.29
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	3	0.29
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	3	0.29
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	3	0.29
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	3	0.29
(1,523)	1:110:A:SER:HB3	1:111:A:LYS:H	16	0.29
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	16	0.29
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	19	0.29
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	15	0.29
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	15	0.29
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	8	0.29
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	8	0.29
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	8	0.29
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	7	0.29
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	7	0.29
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	17	0.29
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	17	0.29
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	17	0.29
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	17	0.29
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	17	0.29
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	18	0.29
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	18	0.29
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	18	0.29
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	17	0.29
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	5	0.29
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	5	0.29
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	14	0.29
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	19	0.29
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	2	0.29
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	2	0.29
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	2	0.29
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	3	0.29
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	3	0.29
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	3	0.29
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	17	0.29
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	2	0.29
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	3	0.29
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	3	0.29
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	3	0.29
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	3	0.29
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	3	0.29
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	3	0.29
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	18	0.29
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	18	0.29
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	3	0.29
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	3	0.29
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	16	0.29
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	16	0.29
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	16	0.29
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	1	0.29
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	1	0.29
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	1	0.29
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	1	0.29
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	1	0.29
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	1	0.29
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	1	0.29
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	1	0.29
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	1	0.29
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	9	0.29
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	9	0.29
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	9	0.29
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	9	0.29
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	9	0.29
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	10	0.29
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	10	0.29
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	10	0.29
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	10	0.29
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	10	0.29
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	10	0.29
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	2	0.29
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	2	0.29
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	2	0.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	8	0.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	8	0.29
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	8	0.29
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	17	0.29
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	13	0.29
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	20	0.29
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	5	0.29
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	5	0.29
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	10	0.29
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	10	0.29
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	16	0.29
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	16	0.29
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	4	0.29
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	4	0.29
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	4	0.29
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	8	0.29
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	5	0.28
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	17	0.28
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	18	0.28
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	3	0.28
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	7	0.28
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	9	0.28
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	15	0.28
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	13	0.28
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	17	0.28
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	4	0.28
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	12	0.28
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	5	0.28
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	5	0.28
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	4	0.28
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	4	0.28
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	4	0.28
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	3	0.28
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	3	0.28
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	3	0.28
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	4	0.28
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	4	0.28
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	4	0.28
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	19	0.28
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	19	0.28
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	19	0.28
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	20	0.28
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	20	0.28
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	20	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	8	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	8	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	8	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	10	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	10	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	10	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	14	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	14	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	14	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	20	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	20	0.28
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	20	0.28
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	12	0.28
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	12	0.28
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	12	0.28
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	13	0.28
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	13	0.28
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	13	0.28
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	10	0.28
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	10	0.28
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	10	0.28
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	1	0.28
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	1	0.28
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	1	0.28
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG11	19	0.28
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG12	19	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG13	19	0.28
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG21	19	0.28
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG22	19	0.28
(1,2162)	1:72:A:VAL:H	1:72:A:VAL:HG23	19	0.28
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	14	0.28
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	14	0.28
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	14	0.28
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	8	0.28
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	8	0.28
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	8	0.28
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	9	0.28
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	9	0.28
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	9	0.28
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	9	0.28
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	9	0.28
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	9	0.28
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	9	0.28
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	9	0.28
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	9	0.28
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	13	0.28
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	13	0.28
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	13	0.28
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	13	0.28
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	13	0.28
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	13	0.28
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	15	0.28
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	15	0.28
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	15	0.28
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	15	0.28
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	15	0.28
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	15	0.28
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	15	0.28
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB2	15	0.28
(1,2105)	1:113:A:LEU:HD11	1:124:A:PHE:HB3	15	0.28
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB2	15	0.28
(1,2105)	1:113:A:LEU:HD12	1:124:A:PHE:HB3	15	0.28
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB2	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2105)	1:113:A:LEU:HD13	1:124:A:PHE:HB3	15	0.28
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB2	15	0.28
(1,2105)	1:113:A:LEU:HD21	1:124:A:PHE:HB3	15	0.28
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB2	15	0.28
(1,2105)	1:113:A:LEU:HD22	1:124:A:PHE:HB3	15	0.28
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB2	15	0.28
(1,2105)	1:113:A:LEU:HD23	1:124:A:PHE:HB3	15	0.28
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	17	0.28
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	17	0.28
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	17	0.28
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	17	0.28
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	17	0.28
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	17	0.28
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	17	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	12	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	12	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	12	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	13	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	13	0.28
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	13	0.28
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	11	0.28
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	11	0.28
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	11	0.28
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG21	5	0.28
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG22	5	0.28
(1,2020)	1:71:A:ASP:H	1:72:A:VAL:HG23	5	0.28
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	9	0.28
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	9	0.28
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	9	0.28
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	9	0.28
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	9	0.28
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	9	0.28
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	9	0.28
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	9	0.28
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	9	0.28
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	15	0.28
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	15	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	8	0.28
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	8	0.28
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	8	0.28
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	5	0.28
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	5	0.28
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	5	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	8	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	8	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	8	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	8	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	8	0.28
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	8	0.28
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	8	0.28
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	8	0.28
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	8	0.28
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	17	0.28
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	17	0.28
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	17	0.28
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	10	0.28
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	10	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	10	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	10	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	10	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	10	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	10	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	10	0.28
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	19	0.28
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	19	0.28
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	19	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	19	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	19	0.28
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	19	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	19	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	19	0.28
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	19	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	12	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	12	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	12	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	16	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	16	0.28
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	16	0.28
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	14	0.28
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	14	0.28
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	15	0.28
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	15	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	13	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	13	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	13	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	13	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	15	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	15	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	15	0.28
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	15	0.28
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	14	0.28
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	3	0.28
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	19	0.28
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	3	0.28
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	8	0.28
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	13	0.28
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	15	0.28
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	16	0.28
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	8	0.28
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	8	0.28
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	3	0.28
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	3	0.28
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	20	0.28
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	20	0.28
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	8	0.28
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	8	0.28
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	8	0.28
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	8	0.28
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	14	0.28
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	17	0.28
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	8	0.28
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	2	0.28
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	2	0.28
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	10	0.28
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	10	0.28
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	10	0.28
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	18	0.28
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	3	0.28
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	11	0.28
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	11	0.28
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	11	0.28
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	11	0.28
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	6	0.28
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	8	0.28
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	16	0.28
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	9	0.28
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	11	0.28
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	7	0.28
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	7	0.28
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	7	0.28
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	5	0.28
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	5	0.28
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	5	0.28
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	4	0.28
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	4	0.28
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	4	0.28
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	9	0.28
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	3	0.28
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	18	0.28
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	18	0.28
(1,1426)	1:141:A:GLY:H	1:149:A:PHE:H	15	0.28
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	20	0.28
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	20	0.28
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	15	0.28
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	15	0.28
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	15	0.28
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	8	0.28
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	15	0.28
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	15	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	12	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	12	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	12	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	20	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	20	0.28
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	20	0.28
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	7	0.28
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	16	0.28
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	15	0.28
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	15	0.28
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	15	0.28
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	15	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	13	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	13	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	13	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	19	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	19	0.28
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	19	0.28
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	6	0.28
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	16	0.28
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	19	0.28
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	19	0.28
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	19	0.28
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	18	0.28
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	18	0.28
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	18	0.28
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	11	0.28
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	11	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	3	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	3	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	7	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	8	0.28
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	8	0.28
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	16	0.28
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	18	0.28
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	5	0.28
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	5	0.28
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	5	0.28
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	8	0.28
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	8	0.28
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	8	0.28
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	14	0.28
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	14	0.28
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	11	0.28
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	4	0.28
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	4	0.28
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	19	0.28
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	19	0.28
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	2	0.28
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	12	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	2	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	6	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	11	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	14	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	19	0.28
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	20	0.28
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	14	0.28
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	7	0.28
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	20	0.28
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	1	0.28
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	1	0.28
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	3	0.28
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	3	0.28
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	12	0.28
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	14	0.28
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	18	0.28
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	3	0.28
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	16	0.28
(1,1084)	1:160:A:PHE:H	1:168:A:GLY:H	20	0.28
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	17	0.28
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	17	0.28
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	12	0.28
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	16	0.28
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	2	0.28
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	13	0.28
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	13	0.28
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	1	0.28
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	14	0.28
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	1	0.28
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	11	0.28
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	11	0.28
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	13	0.28
(1,1015)	1:106:A:ASP:H	1:107:A:ARG:H	13	0.28
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	2	0.28
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	9	0.28
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	9	0.28
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	12	0.28
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	12	0.28
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	12	0.28
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	12	0.28
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	18	0.28
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	16	0.28
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	19	0.28
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	19	0.28
(1,970)	1:62:A:MET:H	1:63:A:GLN:H	2	0.28
(1,964)	1:61:A:ILE:H	1:62:A:MET:H	8	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	5	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	5	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	5	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	18	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	18	0.28
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	18	0.28
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	14	0.28
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	16	0.28
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	7	0.28
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	10	0.28
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	11	0.28
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	8	0.28
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	6	0.28
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	12	0.28
(1,931)	1:44:A:LYS:H	1:45:A:PHE:H	17	0.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	3	0.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	8	0.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	8	0.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	19	0.28
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	19	0.28
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	6	0.28
(1,919)	1:39:A:LEU:H	1:40:A:LYS:H	14	0.28
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	17	0.28
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	17	0.28
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	14	0.28
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	1	0.28
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	2	0.28
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	8	0.28
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	14	0.28
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	20	0.28
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	14	0.28
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	8	0.28
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	16	0.28
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	17	0.28
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	13	0.28
(1,879)	1:140:A:ARG:HG2	1:149:A:PHE:HB3	13	0.28
(1,879)	1:140:A:ARG:HG3	1:149:A:PHE:HB3	13	0.28
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	20	0.28
(1,847)	1:218:A:ASN:HB2	1:219:A:GLY:H	14	0.28
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	2	0.28
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	2	0.28
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	2	0.28
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	4	0.28
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	4	0.28
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	1	0.28
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	11	0.28
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	13	0.28
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	1	0.28
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	1	0.28
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	1	0.28
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	18	0.28
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	18	0.28
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	18	0.28
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	15	0.28
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	15	0.28
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	15	0.28
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	15	0.28
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	15	0.28
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	16	0.28
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	16	0.28
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	4	0.28
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	4	0.28
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	4	0.28
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	4	0.28
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	4	0.28
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	4	0.28
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	13	0.28
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	13	0.28
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	13	0.28
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	14	0.28
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	19	0.28
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	19	0.28
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	18	0.28
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	18	0.28
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	18	0.28
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	13	0.28
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	13	0.28
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	13	0.28
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	13	0.28
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	13	0.28
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	13	0.28
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	17	0.28
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	17	0.28
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	6	0.28
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	6	0.28
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	9	0.28
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	11	0.28
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	12	0.28
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	1	0.28
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	3	0.28
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	9	0.28
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	9	0.28
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	9	0.28
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	8	0.28
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	8	0.28
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	3	0.28
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	6	0.28
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	9	0.28
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	7	0.28
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	15	0.28
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	19	0.28
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	19	0.28
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	19	0.28
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	19	0.28
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	11	0.28
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	11	0.28
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	11	0.28
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB2	11	0.28
(1,247)	1:104:A:THR:HG21	1:180:A:ASP:HB3	11	0.28
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB2	11	0.28
(1,247)	1:104:A:THR:HG22	1:180:A:ASP:HB3	11	0.28
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB2	11	0.28
(1,247)	1:104:A:THR:HG23	1:180:A:ASP:HB3	11	0.28
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	9	0.28
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	9	0.28
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	7	0.28
(1,237)	1:154:A:ASN:HB2	1:155:A:THR:H	7	0.28
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	7	0.28
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	15	0.28
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	15	0.28
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	15	0.28
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	15	0.28
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	4	0.28
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	3	0.28
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	3	0.28
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	3	0.28
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	8	0.28
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	8	0.28
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	8	0.28
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	8	0.28
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	8	0.28
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	8	0.28
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	6	0.28
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	20	0.28
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	4	0.28
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	16	0.28
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	16	0.28
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	16	0.28
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	3	0.28
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	18	0.28
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	18	0.28
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	19	0.28
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	19	0.28
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	17	0.28
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	17	0.28
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	17	0.28
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	18	0.28
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	4	0.28
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	4	0.28
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	7	0.28
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	7	0.28
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	8	0.27
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	11	0.27
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	12	0.27
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	19	0.27
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	20	0.27
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	20	0.27
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	10	0.27
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	10	0.27
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	10	0.27
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	10	0.27
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	10	0.27
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	10	0.27
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	10	0.27
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	10	0.27
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	10	0.27
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	14	0.27
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	14	0.27
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	14	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	12	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	12	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	12	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	15	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	15	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	15	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	19	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	19	0.27
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	19	0.27
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	19	0.27
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	19	0.27
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	3	0.27
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	3	0.27
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	3	0.27
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	4	0.27
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	4	0.27
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	4	0.27
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD11	19	0.27
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD12	19	0.27
(1,2179)	1:113:A:LEU:H	1:196:A:LEU:HD13	19	0.27
(1,2158)	1:48:A:LEU:HD21	1:58:A:VAL:H	11	0.27
(1,2158)	1:48:A:LEU:HD22	1:58:A:VAL:H	11	0.27
(1,2158)	1:48:A:LEU:HD23	1:58:A:VAL:H	11	0.27
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	19	0.27
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	19	0.27
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	19	0.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	14	0.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	14	0.27
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	14	0.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	14	0.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	14	0.27
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	14	0.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	14	0.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	14	0.27
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	14	0.27
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	17	0.27
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	17	0.27
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	17	0.27
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	17	0.27
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	17	0.27
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	17	0.27
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	17	0.27
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	17	0.27
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	17	0.27
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	8	0.27
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	8	0.27
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	8	0.27
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	14	0.27
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	14	0.27
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	14	0.27
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	19	0.27
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	19	0.27
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	19	0.27
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	19	0.27
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	19	0.27
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	19	0.27
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	19	0.27
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	19	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	3	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	3	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	9	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	9	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	12	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	12	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	13	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	13	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	17	0.27
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	17	0.27
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	17	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	17	0.27
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	17	0.27
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	17	0.27
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	17	0.27
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	17	0.27
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	17	0.27
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	17	0.27
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	17	0.27
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	17	0.27
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	15	0.27
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	15	0.27
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	15	0.27
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	3	0.27
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	3	0.27
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	3	0.27
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD11	2	0.27
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD12	2	0.27
(1,1841)	1:192:A:ALA:HB1	1:196:A:LEU:HD13	2	0.27
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD11	2	0.27
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD12	2	0.27
(1,1841)	1:192:A:ALA:HB2	1:196:A:LEU:HD13	2	0.27
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD11	2	0.27
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD12	2	0.27
(1,1841)	1:192:A:ALA:HB3	1:196:A:LEU:HD13	2	0.27
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	6	0.27
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	6	0.27
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	6	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	17	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	17	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	17	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	17	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	17	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	17	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	19	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	19	0.27
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	19	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	19	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	19	0.27
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	19	0.27
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	15	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	2	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	3	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	3	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	11	0.27
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	11	0.27
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	10	0.27
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	10	0.27
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	10	0.27
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	10	0.27
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	14	0.27
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	14	0.27
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	8	0.27
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	8	0.27
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	17	0.27
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	18	0.27
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	11	0.27
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	11	0.27
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	11	0.27
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	11	0.27
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	12	0.27
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	14	0.27
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	18	0.27
(1,1709)	1:61:A:ILE:H	1:61:A:ILE:HB	2	0.27
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	14	0.27
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	16	0.27
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	17	0.27
(1,1698)	1:54:A:LEU:H	1:55:A:ASN:H	20	0.27
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	6	0.27
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	6	0.27
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	4	0.27
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	7	0.27
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	16	0.27
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	3	0.27
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	3	0.27
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	3	0.27
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	4	0.27
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	4	0.27
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	4	0.27
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	14	0.27
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	14	0.27
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	14	0.27
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	11	0.27
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	7	0.27
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	5	0.27
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	5	0.27
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	3	0.27
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	3	0.27
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	3	0.27
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	7	0.27
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	1	0.27
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	1	0.27
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	6	0.27
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	7	0.27
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	12	0.27
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	17	0.27
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	17	0.27
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	14	0.27
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	14	0.27
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	19	0.27
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	19	0.27
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	18	0.27
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	1	0.27
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	5	0.27
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	14	0.27
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	16	0.27
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	10	0.27
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	12	0.27
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	18	0.27
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	11	0.27
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	11	0.27
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	11	0.27
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	6	0.27
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	19	0.27
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	10	0.27
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	10	0.27
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	10	0.27
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	18	0.27
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	20	0.27
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	17	0.27
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	8	0.27
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	6	0.27
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	6	0.27
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	6	0.27
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB1	6	0.27
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB2	6	0.27
(1,1272)	1:209:A:ASN:H	1:210:A:ALA:HB3	6	0.27
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	1	0.27
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	1	0.27
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	17	0.27
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	17	0.27
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	20	0.27
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	20	0.27
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	4	0.27
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	4	0.27
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	11	0.27
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	11	0.27
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	10	0.27
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	10	0.27
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	10	0.27
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	10	0.27
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	20	0.27
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	20	0.27
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	7	0.27
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	7	0.27
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	7	0.27
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	4	0.27
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	7	0.27
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	7	0.27
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	18	0.27
(1,1189)	1:16:A:GLN:HE21	1:35:A:LEU:H	1	0.27
(1,1189)	1:16:A:GLN:HE22	1:35:A:LEU:H	1	0.27
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	15	0.27
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	10	0.27
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	18	0.27
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	12	0.27
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	10	0.27
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	2	0.27
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	2	0.27
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	4	0.27
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	20	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	3	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	3	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	3	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	7	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	7	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	9	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	9	0.27
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	9	0.27
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	7	0.27
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	7	0.27
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	6	0.27
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	11	0.27
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	20	0.27
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	12	0.27
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	20	0.27
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	11	0.27
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	13	0.27
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	15	0.27
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	4	0.27
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	6	0.27
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	5	0.27
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	5	0.27
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	15	0.27
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	15	0.27
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	15	0.27
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	7	0.27
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	19	0.27
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	12	0.27
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	6	0.27
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	20	0.27
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	17	0.27
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	1	0.27
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	5	0.27
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	18	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	1	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	1	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	17	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	17	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	20	0.27
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	20	0.27
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	4	0.27
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	19	0.27
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	6	0.27
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	10	0.27
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	12	0.27
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	20	0.27
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	19	0.27
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	5	0.27
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	8	0.27
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	9	0.27
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	2	0.27
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	6	0.27
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	3	0.27
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	12	0.27
(1,874)	1:237:A:LEU:H	1:237:A:LEU:HG	13	0.27
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD1	14	0.27
(1,863)	1:234:A:ILE:HG21	1:238:A:TYR:HD2	14	0.27
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD1	14	0.27
(1,863)	1:234:A:ILE:HG22	1:238:A:TYR:HD2	14	0.27
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD1	14	0.27
(1,863)	1:234:A:ILE:HG23	1:238:A:TYR:HD2	14	0.27
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	6	0.27
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	18	0.27
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	18	0.27
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	18	0.27
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	14	0.27
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	14	0.27
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	14	0.27
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	14	0.27
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	14	0.27
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	14	0.27
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	4	0.27
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	12	0.27
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	7	0.27
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	1	0.27
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	8	0.27
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	8	0.27
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	8	0.27
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	8	0.27
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	8	0.27
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	8	0.27
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	9	0.27
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	9	0.27
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	9	0.27
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	9	0.27
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	9	0.27
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	7	0.27
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	7	0.27
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	11	0.27
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	11	0.27
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	6	0.27
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	6	0.27
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	6	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	11	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	11	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	11	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	16	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	16	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	16	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	20	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB2	20	0.27
(1,661)	1:53:A:MET:H	1:53:A:MET:HB3	20	0.27
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	3	0.27
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	3	0.27
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	3	0.27
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	3	0.27
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	3	0.27
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	3	0.27
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	2	0.27
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	2	0.27
(1,626)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	2	0.27
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	2	0.27
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	2	0.27
(1,626)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	2	0.27
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	19	0.27
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	19	0.27
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	19	0.27
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	12	0.27
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	12	0.27
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	12	0.27
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	12	0.27
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	12	0.27
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	12	0.27
(1,536)	1:137:A:GLY:H	1:171:A:HIS:HA	13	0.27
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	3	0.27
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	13	0.27
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	20	0.27
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	4	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	4	0.27
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	4	0.27
(1,507)	1:41:A:GLU:HA	1:44:A:LYS:H	10	0.27
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	15	0.27
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	15	0.27
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	15	0.27
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	18	0.27
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	16	0.27
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	1	0.27
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	1	0.27
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	14	0.27
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	14	0.27
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	14	0.27
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	16	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	1	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	1	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	1	0.27
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	1	0.27
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	15	0.27
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	16	0.27
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	20	0.27
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	20	0.27
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	20	0.27
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	20	0.27
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	20	0.27
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	20	0.27
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	13	0.27
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	18	0.27
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	18	0.27
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	8	0.27
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	8	0.27
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	19	0.27
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	19	0.27
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	6	0.27
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	6	0.27
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	6	0.27
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	8	0.27
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	8	0.27
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	8	0.27
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	1	0.27
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	1	0.27
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	1	0.27
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	12	0.27
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	14	0.27
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	17	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	6	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	6	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	11	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	11	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	14	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	14	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG2	16	0.27
(1,140)	1:232:A:LYS:HA	1:232:A:LYS:HG3	16	0.27
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	1	0.27
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG2	13	0.27
(1,69)	1:57:A:ARG:HA	1:57:A:ARG:HG3	13	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	4	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	4	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	4	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	8	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	8	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	8	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	19	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	19	0.27
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	19	0.27
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	9	0.27
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	9	0.27
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	7	0.27
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	7	0.27
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	11	0.27
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	11	0.27
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	12	0.26
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	18	0.26
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	20	0.26
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	20	0.26
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	6	0.26
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	15	0.26
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	6	0.26
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	7	0.26
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	7	0.26
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	7	0.26
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	17	0.26
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	17	0.26
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD11	15	0.26
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD12	15	0.26
(1,2221)	1:117:A:GLY:H	1:200:A:LEU:HD13	15	0.26
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	18	0.26
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	18	0.26
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	18	0.26
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD11	8	0.26
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD12	8	0.26
(1,2178)	1:113:A:LEU:H	1:113:A:LEU:HD13	8	0.26
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	12	0.26
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	12	0.26
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	12	0.26
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	10	0.26
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	10	0.26
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	10	0.26
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	10	0.26
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	10	0.26
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	10	0.26
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	8	0.26
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	8	0.26
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	8	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	1	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	1	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	1	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	12	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	12	0.26
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	12	0.26
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	10	0.26
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	10	0.26
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	10	0.26
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	10	0.26
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	10	0.26
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	10	0.26
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	13	0.26
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	13	0.26
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	13	0.26
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	13	0.26
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	13	0.26
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	13	0.26
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	3	0.26
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	3	0.26
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	3	0.26
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	1	0.26
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	1	0.26
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	1	0.26
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	1	0.26
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	1	0.26
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	1	0.26
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	1	0.26
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	1	0.26
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	1	0.26
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	3	0.26
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	3	0.26
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	3	0.26
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	12	0.26
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	12	0.26
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	12	0.26
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	20	0.26
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	20	0.26
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	20	0.26
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	10	0.26
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	10	0.26
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	10	0.26
(1,1940)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	14	0.26
(1,1940)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	14	0.26
(1,1940)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	14	0.26
(1,1940)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	14	0.26
(1,1940)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	14	0.26
(1,1940)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	1	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	1	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	2	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	2	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	5	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	5	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	6	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	6	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	14	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	14	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	18	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	18	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	19	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	19	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	20	0.26
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	20	0.26
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	20	0.26
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	19	0.26
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	19	0.26
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	19	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	3	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	3	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	3	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	8	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	8	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	8	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	19	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	19	0.26
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	19	0.26
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG11	17	0.26
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG12	17	0.26
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG13	17	0.26
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	11	0.26
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	11	0.26
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	11	0.26
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	11	0.26
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	11	0.26
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	11	0.26
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	11	0.26
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	11	0.26
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	11	0.26
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	11	0.26
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	11	0.26
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	11	0.26
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	17	0.26
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	17	0.26
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	17	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	7	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	7	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	7	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	7	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	7	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	7	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	20	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	20	0.26
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	20	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	20	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	20	0.26
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	20	0.26
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	10	0.26
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	10	0.26
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	10	0.26
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	5	0.26
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	8	0.26
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	9	0.26
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	9	0.26
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	10	0.26
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	11	0.26
(1,1763)	1:56:A:SER:H	1:58:A:VAL:HB	17	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	6	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	6	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	6	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	6	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	17	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	17	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	17	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	17	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	19	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	19	0.26
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	19	0.26
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	5	0.26
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	19	0.26
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	19	0.26
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	19	0.26
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	20	0.26
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	2	0.26
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	20	0.26
(1,1695)	1:51:A:THR:HG21	1:52:A:GLY:H	4	0.26
(1,1695)	1:51:A:THR:HG22	1:52:A:GLY:H	4	0.26
(1,1695)	1:51:A:THR:HG23	1:52:A:GLY:H	4	0.26
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	9	0.26
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	9	0.26
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	16	0.26
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	16	0.26
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	17	0.26
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	17	0.26
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	17	0.26
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	17	0.26
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	11	0.26
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	1	0.26
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	16	0.26
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	7	0.26
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	12	0.26
(1,1639)	1:205:A:SER:H	1:214:A:PRO:HD3	19	0.26
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	11	0.26
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	11	0.26
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	18	0.26
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	18	0.26
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	12	0.26
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	14	0.26
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	5	0.26
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	5	0.26
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	5	0.26
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	17	0.26
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	17	0.26
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	4	0.26
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	4	0.26
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	4	0.26
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	6	0.26
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	6	0.26
(1,1512)	1:179:A:THR:HB	1:185:A:GLY:H	7	0.26
(1,1512)	1:179:A:THR:HB	1:185:A:GLY:H	18	0.26
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	3	0.26
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	3	0.26
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	3	0.26
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	9	0.26
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	1	0.26
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	5	0.26
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	20	0.26
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	5	0.26
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	3	0.26
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	11	0.26
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	15	0.26
(1,1363)	1:90:A:THR:HA	1:125:A:ARG:H	13	0.26
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	12	0.26
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	12	0.26
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	6	0.26
(1,1319)	1:112:A:ALA:HB1	1:115:A:MET:H	17	0.26
(1,1319)	1:112:A:ALA:HB2	1:115:A:MET:H	17	0.26
(1,1319)	1:112:A:ALA:HB3	1:115:A:MET:H	17	0.26
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	12	0.26
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	12	0.26
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	12	0.26
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	12	0.26
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	17	0.26
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	4	0.26
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	4	0.26
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	8	0.26
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	8	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	2	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	2	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	5	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	5	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	17	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	17	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	18	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	18	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	19	0.26
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	19	0.26
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	18	0.26
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	8	0.26
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	8	0.26
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD11	9	0.26
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD12	9	0.26
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD13	9	0.26
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	3	0.26
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	3	0.26
(1,1184)	1:239:A:GLY:H	1:240:A:LYS:H	12	0.26
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	18	0.26
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	12	0.26
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	3	0.26
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	6	0.26
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	10	0.26
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	10	0.26
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	20	0.26
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	20	0.26
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	12	0.26
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	7	0.26
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	5	0.26
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	4	0.26
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	4	0.26
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	4	0.26
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	4	0.26
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	13	0.26
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	20	0.26
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	6	0.26
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	15	0.26
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	18	0.26
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	6	0.26
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	7	0.26
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	12	0.26
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	13	0.26
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	19	0.26
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	11	0.26
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	4	0.26
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	20	0.26
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	18	0.26
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	6	0.26
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	6	0.26
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	20	0.26
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	10	0.26
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	4	0.26
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	5	0.26
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	8	0.26
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	14	0.26
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	15	0.26
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	14	0.26
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	14	0.26
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	3	0.26
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	20	0.26
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	3	0.26
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	3	0.26
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	3	0.26
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	2	0.26
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	12	0.26
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	4	0.26
(1,947)	1:55:A:ASN:H	1:58:A:VAL:H	20	0.26
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	20	0.26
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	11	0.26
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	9	0.26
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	16	0.26
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	13	0.26
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	13	0.26
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	4	0.26
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	10	0.26
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	18	0.26
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	16	0.26
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	1	0.26
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	2	0.26
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	8	0.26
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	17	0.26
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	19	0.26
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	16	0.26
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	1	0.26
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	1	0.26
(1,883)	1:230:A:ASP:H	1:231:A:ILE:H	13	0.26
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	2	0.26
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	9	0.26
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	15	0.26
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	19	0.26
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	6	0.26
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	6	0.26
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	8	0.26
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	13	0.26
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	13	0.26
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	13	0.26
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	2	0.26
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	13	0.26
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	15	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	1	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	1	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	1	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	1	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	1	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	1	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	1	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	1	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	1	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	12	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	12	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	12	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	12	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	12	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	12	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	12	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	12	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	12	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	16	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	16	0.26
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	16	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	16	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	16	0.26
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	16	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	16	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	16	0.26
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	16	0.26
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	6	0.26
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	6	0.26
(1,673)	1:46:A:PHE:HE1	1:61:A:ILE:HA	19	0.26
(1,673)	1:46:A:PHE:HE2	1:61:A:ILE:HA	19	0.26
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	11	0.26
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	11	0.26
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	11	0.26
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	8	0.26
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	8	0.26
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	17	0.26
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	17	0.26
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	17	0.26
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	3	0.26
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	3	0.26
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	3	0.26
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	8	0.26
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	8	0.26
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	8	0.26
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	8	0.26
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	8	0.26
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	8	0.26
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	3	0.26
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	3	0.26
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	3	0.26
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	19	0.26
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	19	0.26
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	19	0.26
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	19	0.26
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	19	0.26
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	19	0.26
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	10	0.26
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	7	0.26
(1,517)	1:104:A:THR:HA	1:107:A:ARG:H	11	0.26
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE1	17	0.26
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE2	17	0.26
(1,487)	1:92:A:ARG:HD2	1:135:A:MET:HE3	17	0.26
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE1	17	0.26
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE2	17	0.26
(1,487)	1:92:A:ARG:HD3	1:135:A:MET:HE3	17	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	4	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	4	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	4	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	15	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	15	0.26
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	15	0.26
(1,444)	1:42:A:MET:HE1	1:62:A:MET:HG3	13	0.26
(1,444)	1:42:A:MET:HE2	1:62:A:MET:HG3	13	0.26
(1,444)	1:42:A:MET:HE3	1:62:A:MET:HG3	13	0.26
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	6	0.26
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	6	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	15	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	15	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	15	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	15	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	15	0.26
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	15	0.26
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	15	0.26
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	15	0.26
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	15	0.26
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	19	0.26
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	19	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	10	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	10	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	10	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	16	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	16	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	16	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	20	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	20	0.26
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	20	0.26
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	17	0.26
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	12	0.26
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	19	0.26
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	19	0.26
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	19	0.26
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	19	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	1	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	1	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	1	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	8	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	8	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	8	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	9	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	9	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	9	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	13	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	13	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	13	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	15	0.26
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	15	0.26
(1,241)	1:65:A:PRO:HB2	1:156:A:LEU:HB2	3	0.26
(1,241)	1:65:A:PRO:HB3	1:156:A:LEU:HB2	3	0.26
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB2	16	0.26
(1,234)	1:50:A:ILE:HG21	1:53:A:MET:HB3	16	0.26
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB2	16	0.26
(1,234)	1:50:A:ILE:HG22	1:53:A:MET:HB3	16	0.26
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB2	16	0.26
(1,234)	1:50:A:ILE:HG23	1:53:A:MET:HB3	16	0.26
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB2	16	0.26
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB2	16	0.26
(1,224)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	16	0.26
(1,224)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	16	0.26
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	16	0.26
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	16	0.26
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	7	0.26
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	7	0.26
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	7	0.26
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	7	0.26
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	7	0.26
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	7	0.26
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	14	0.26
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	14	0.26
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	14	0.26
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	14	0.26
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	14	0.26
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	14	0.26
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	14	0.26
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	14	0.26
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	14	0.26
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	18	0.26
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	18	0.26
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	18	0.26
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	2	0.26
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	1	0.26
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	17	0.26
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	17	0.26
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	17	0.26
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	17	0.26
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	15	0.26
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	19	0.26
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	8	0.26
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	2	0.26
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	2	0.26
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	13	0.26
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	13	0.26
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	6	0.26
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	3	0.25
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	6	0.25
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	1	0.25
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	7	0.25
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	10	0.25
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	15	0.25
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	19	0.25
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	10	0.25
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	13	0.25
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	18	0.25
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	19	0.25
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	11	0.25
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	14	0.25
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	15	0.25
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	11	0.25
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	9	0.25
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	10	0.25
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	13	0.25
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	9	0.25
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	11	0.25
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	15	0.25
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	18	0.25
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	18	0.25
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	18	0.25
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD11	18	0.25
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD12	18	0.25
(1,2231)	1:196:A:LEU:H	1:196:A:LEU:HD13	18	0.25
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	13	0.25
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	13	0.25
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	13	0.25
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	18	0.25
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	18	0.25
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	18	0.25
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	7	0.25
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	7	0.25
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	7	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	1	0.25
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	1	0.25
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	1	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	1	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	1	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	1	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	1	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	1	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	1	0.25
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	17	0.25
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	17	0.25
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	17	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	17	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	17	0.25
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	17	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	17	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	17	0.25
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	17	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	13	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	13	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	13	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	18	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	18	0.25
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	18	0.25
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	8	0.25
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	8	0.25
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	8	0.25
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	14	0.25
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	14	0.25
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	14	0.25
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	14	0.25
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	14	0.25
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	14	0.25
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	19	0.25
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	19	0.25
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	19	0.25
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	13	0.25
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	13	0.25
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	13	0.25
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	9	0.25
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	9	0.25
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	7	0.25
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	7	0.25
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	7	0.25
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	18	0.25
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	18	0.25
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	18	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	6	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	6	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	6	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	19	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	19	0.25
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	19	0.25
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	7	0.25
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	7	0.25
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	7	0.25
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	7	0.25
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	7	0.25
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	7	0.25
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	7	0.25
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	7	0.25
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	7	0.25
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	13	0.25
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	13	0.25
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	13	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	4	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	4	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	7	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	7	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	10	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	10	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	11	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	11	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	15	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	15	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD13	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD21	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD22	16	0.25
(1,1937)	1:111:A:LYS:HB2	1:189:A:LEU:HD23	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD11	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD12	16	0.25
(1,1937)	1:111:A:LYS:HB3	1:189:A:LEU:HD13	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	11	0.25
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	11	0.25
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	11	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	1	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	1	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	1	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	4	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	4	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	4	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	6	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	6	0.25
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	6	0.25
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	16	0.25
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	16	0.25
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	16	0.25
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	6	0.25
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	6	0.25
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	6	0.25
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	15	0.25
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	15	0.25
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	15	0.25
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	15	0.25
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	15	0.25
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	15	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	17	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	17	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	17	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	20	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	20	0.25
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	20	0.25
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	13	0.25
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	13	0.25
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	13	0.25
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	13	0.25
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	13	0.25
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	13	0.25
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG2	6	0.25
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG3	6	0.25
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	7	0.25
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	7	0.25
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	7	0.25
(1,1744)	1:97:A:THR:HG21	1:178:A:TRP:HE1	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1744)	1:97:A:THR:HG22	1:178:A:TRP:HE1	17	0.25
(1,1744)	1:97:A:THR:HG23	1:178:A:TRP:HE1	17	0.25
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	16	0.25
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	1	0.25
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	20	0.25
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	5	0.25
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	9	0.25
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	19	0.25
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	12	0.25
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	12	0.25
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	18	0.25
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	18	0.25
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	19	0.25
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	19	0.25
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	10	0.25
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	2	0.25
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	7	0.25
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	7	0.25
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	7	0.25
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	13	0.25
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	13	0.25
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	13	0.25
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	9	0.25
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	18	0.25
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	4	0.25
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	5	0.25
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	5	0.25
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	8	0.25
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	8	0.25
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	11	0.25
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	19	0.25
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	4	0.25
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	4	0.25
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD1	20	0.25
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD2	20	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	3	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	4	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	9	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	11	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	14	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	16	0.25
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	16	0.25
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	3	0.25
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	3	0.25
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	14	0.25
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	4	0.25
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	3	0.25
(1,1388)	1:90:A:THR:HG21	1:133:A:ASP:H	14	0.25
(1,1388)	1:90:A:THR:HG22	1:133:A:ASP:H	14	0.25
(1,1388)	1:90:A:THR:HG23	1:133:A:ASP:H	14	0.25
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	5	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	1	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	2	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	4	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	5	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	7	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	10	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	12	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	13	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	14	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	15	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	16	0.25
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	18	0.25
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	15	0.25
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	14	0.25
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	14	0.25
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	14	0.25
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	4	0.25
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	10	0.25
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	12	0.25
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	12	0.25
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	12	0.25
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	12	0.25
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	14	0.25
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	14	0.25
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	14	0.25
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	3	0.25
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	15	0.25
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	15	0.25
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	15	0.25
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	1	0.25
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	4	0.25
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	19	0.25
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	19	0.25
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	19	0.25
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	7	0.25
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	7	0.25
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	7	0.25
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB2	16	0.25
(1,1232)	1:91:A:TYR:H	1:91:A:TYR:HB3	16	0.25
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	14	0.25
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	14	0.25
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	14	0.25
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	14	0.25
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	19	0.25
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	19	0.25
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	6	0.25
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	9	0.25
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	6	0.25
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	1	0.25
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	8	0.25
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	8	0.25
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	12	0.25
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	13	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	4	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	4	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	4	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	4	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	10	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	10	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	10	0.25
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	10	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	11	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	11	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	14	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	14	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	19	0.25
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	19	0.25
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	1	0.25
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	9	0.25
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	16	0.25
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	18	0.25
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	18	0.25
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	3	0.25
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	20	0.25
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	13	0.25
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	1	0.25
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	5	0.25
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	20	0.25
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	6	0.25
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	7	0.25
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	16	0.25
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	17	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	1	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	2	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	6	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	7	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	12	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	13	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	16	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	18	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	19	0.25
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	20	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	9	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	9	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	9	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD11	13	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD12	13	0.25
(1,1006)	1:103:A:ILE:H	1:103:A:ILE:HD13	13	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	7	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	7	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	15	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	15	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	20	0.25
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	20	0.25
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD11	20	0.25
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD12	20	0.25
(1,991)	1:92:A:ARG:H	1:136:A:ILE:HD13	20	0.25
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	10	0.25
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	14	0.25
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	17	0.25
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	17	0.25
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	7	0.25
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	10	0.25
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:52:A:GLY:H	1:53:A:MET:H	17	0.25
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	2	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	3	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	10	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	13	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	14	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	15	0.25
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	19	0.25
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD1	6	0.25
(1,932)	1:45:A:PHE:H	1:46:A:PHE:HD2	6	0.25
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	4	0.25
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	5	0.25
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	11	0.25
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	11	0.25
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	17	0.25
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	17	0.25
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	4	0.25
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	16	0.25
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	9	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	1	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	1	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	4	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	4	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	10	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	10	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	13	0.25
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	13	0.25
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	16	0.25
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	16	0.25
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	16	0.25
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE1	20	0.25
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE2	20	0.25
(1,785)	1:92:A:ARG:HA	1:135:A:MET:HE3	20	0.25
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	7	0.25
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	7	0.25
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	7	0.25
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	7	0.25
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	7	0.25
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	11	0.25
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	11	0.25
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	12	0.25
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	9	0.25
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	11	0.25
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	16	0.25
(1,729)	1:103:A:ILE:HB	1:104:A:THR:H	18	0.25
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	5	0.25
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	5	0.25
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	5	0.25
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	5	0.25
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	5	0.25
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	5	0.25
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	5	0.25
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	5	0.25
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	5	0.25
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	12	0.25
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	12	0.25
(1,675)	1:46:A:PHE:HD1	1:61:A:ILE:HB	8	0.25
(1,675)	1:46:A:PHE:HD2	1:61:A:ILE:HB	8	0.25
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	11	0.25
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	6	0.25
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	6	0.25
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	6	0.25
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	5	0.25
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	5	0.25
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	5	0.25
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	8	0.25
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	8	0.25
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	8	0.25
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	9	0.25
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	9	0.25
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	9	0.25
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	13	0.25
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	13	0.25
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	11	0.25
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	11	0.25
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	11	0.25
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	4	0.25
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	4	0.25
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	4	0.25
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	4	0.25
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	4	0.25
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	4	0.25
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:41:A:GLU:HG3	1:42:A:MET:HA	2	0.25
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	3	0.25
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	3	0.25
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD11	12	0.25
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD12	12	0.25
(1,484)	1:202:A:MET:HA	1:234:A:ILE:HD13	12	0.25
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	3	0.25
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	3	0.25
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	3	0.25
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	3	0.25
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	3	0.25
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	3	0.25
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	2	0.25
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	2	0.25
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	2	0.25
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	5	0.25
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	5	0.25
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD1	5	0.25
(1,462)	1:42:A:MET:HG2	1:46:A:PHE:HD2	5	0.25
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD1	5	0.25
(1,462)	1:42:A:MET:HG3	1:46:A:PHE:HD2	5	0.25
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	3	0.25
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	16	0.25
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	16	0.25
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	16	0.25
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	18	0.25
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	18	0.25
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	18	0.25
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	18	0.25
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	3	0.25
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	3	0.25
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	3	0.25
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	13	0.25
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	13	0.25
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	13	0.25
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	13	0.25
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	13	0.25
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	13	0.25
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	20	0.25
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	20	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	5	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	5	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	8	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	8	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	8	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	13	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	13	0.25
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	13	0.25
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	16	0.25
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	4	0.25
(1,316)	1:106:A:ASP:HB2	1:107:A:ARG:H	4	0.25
(1,316)	1:106:A:ASP:HB3	1:107:A:ARG:H	4	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	3	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	3	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	3	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	16	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	16	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	16	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	20	0.25
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	20	0.25
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	11	0.25
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	11	0.25
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	11	0.25
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	11	0.25
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	1	0.25
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	1	0.25
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	1	0.25
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	17	0.25
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	8	0.25
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	8	0.25
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	8	0.25
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	8	0.25
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	8	0.25
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	8	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	6	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	6	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	6	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	6	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	6	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	6	0.25
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	6	0.25
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	6	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	9	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	9	0.25
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	9	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	9	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	9	0.25
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	9	0.25
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	9	0.25
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	9	0.25
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	9	0.25
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	13	0.25
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	13	0.25
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	13	0.25
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	13	0.25
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	13	0.25
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	13	0.25
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	18	0.25
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	18	0.25
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	18	0.25
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	18	0.25
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	18	0.25
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	18	0.25
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	4	0.25
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	4	0.25
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	4	0.25
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	7	0.25
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	6	0.25
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	7	0.25
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	12	0.25
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	16	0.25
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	10	0.25
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	10	0.25
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	10	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	8	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	8	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	16	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	16	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	19	0.25
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	19	0.25
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	1	0.24
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	9	0.24
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	11	0.24
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	16	0.24
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	19	0.24
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	2	0.24
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	9	0.24
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	9	0.24
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	17	0.24
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	4	0.24
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	6	0.24
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	18	0.24
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	1	0.24
(4,31)	2:302:A:CA:CA	1:155:A:THR:O	16	0.24
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	5	0.24
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	12	0.24
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	12	0.24
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	3	0.24
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	17	0.24
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG21	7	0.24
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG22	7	0.24
(1,2240)	1:24:A:LEU:H	1:72:A:VAL:HG23	7	0.24
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	2	0.24
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	2	0.24
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	2	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	9	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	9	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	9	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	20	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	20	0.24
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	20	0.24
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	3	0.24
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	3	0.24
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	3	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	1	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	1	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	1	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	13	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	13	0.24
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	13	0.24
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	8	0.24
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	8	0.24
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	8	0.24
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD11	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD12	8	0.24
(1,2064)	1:58:A:VAL:HA	1:48:A:LEU:HD13	8	0.24
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	13	0.24
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	13	0.24
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	13	0.24
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	15	0.24
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	15	0.24
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	15	0.24
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG11	7	0.24
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG12	7	0.24
(1,1986)	1:102:A:HIS:HA	1:105:A:VAL:HG13	7	0.24
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD11	8	0.24
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD12	8	0.24
(1,1947)	1:112:A:ALA:H	1:189:A:LEU:HD13	8	0.24
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	9	0.24
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	9	0.24
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	9	0.24
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG11	7	0.24
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG12	7	0.24
(1,1897)	1:24:A:LEU:HG	1:72:A:VAL:HG13	7	0.24
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	19	0.24
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	19	0.24
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	19	0.24
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	20	0.24
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	20	0.24
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	20	0.24
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	20	0.24
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	20	0.24
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	20	0.24
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	20	0.24
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	20	0.24
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	20	0.24
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD21	10	0.24
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD22	10	0.24
(1,1834)	1:42:A:MET:HE1	1:48:A:LEU:HD23	10	0.24
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD21	10	0.24
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD22	10	0.24
(1,1834)	1:42:A:MET:HE2	1:48:A:LEU:HD23	10	0.24
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD21	10	0.24
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD22	10	0.24
(1,1834)	1:42:A:MET:HE3	1:48:A:LEU:HD23	10	0.24
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	4	0.24
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	4	0.24
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	5	0.24
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	5	0.24
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	5	0.24
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	3	0.24
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	16	0.24
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	16	0.24
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	20	0.24
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	20	0.24
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	19	0.24
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	19	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	12	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	12	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	12	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	12	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	18	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	18	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	18	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	18	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	20	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	20	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	20	0.24
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	20	0.24
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	5	0.24
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	5	0.24
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	2	0.24
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	2	0.24
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	18	0.24
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	18	0.24
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	5	0.24
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	2	0.24
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	2	0.24
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	2	0.24
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	4	0.24
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	6	0.24
(1,1716)	1:62:A:MET:H	1:64:A:LYS:H	7	0.24
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	20	0.24
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	20	0.24
(1,1686)	1:47:A:GLY:H	1:48:A:LEU:HG	17	0.24
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	6	0.24
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	8	0.24
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	8	0.24
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	15	0.24
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	15	0.24
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	14	0.24
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	14	0.24
(1,1670)	1:41:A:GLU:HA	1:43:A:GLN:H	7	0.24
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	17	0.24
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	3	0.24
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	3	0.24
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	17	0.24
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	17	0.24
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	14	0.24
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	7	0.24
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	15	0.24
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	15	0.24
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	7	0.24
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	7	0.24
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	1	0.24
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	5	0.24
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	5	0.24
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	5	0.24
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	10	0.24
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	10	0.24
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	10	0.24
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	15	0.24
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	15	0.24
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	15	0.24
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	11	0.24
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	18	0.24
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	8	0.24
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	11	0.24
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	11	0.24
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	11	0.24
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	10	0.24
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	13	0.24
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	18	0.24
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	19	0.24
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	11	0.24
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	11	0.24
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	7	0.24
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	10	0.24
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	3	0.24
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	10	0.24
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	10	0.24
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	10	0.24
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	1	0.24
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	1	0.24
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	4	0.24
(1,1338)	1:114:A:ASN:HA	1:118:A:LYS:H	4	0.24
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	9	0.24
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	9	0.24
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	10	0.24
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	15	0.24
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	17	0.24
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	4	0.24
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	6	0.24
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	6	0.24
(1,1233)	1:90:A:THR:HG21	1:91:A:TYR:H	6	0.24
(1,1233)	1:90:A:THR:HG22	1:91:A:TYR:H	6	0.24
(1,1233)	1:90:A:THR:HG23	1:91:A:TYR:H	6	0.24
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	5	0.24
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	4	0.24
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	4	0.24
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	4	0.24
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	8	0.24
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	9	0.24
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	1	0.24
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	16	0.24
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	13	0.24
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	17	0.24
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	17	0.24
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	15	0.24
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	16	0.24
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	16	0.24
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	16	0.24
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	8	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	3	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	4	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	9	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	11	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	14	0.24
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	17	0.24
(1,1074)	1:156:A:LEU:H	1:157:A:ALA:H	9	0.24
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	4	0.24
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	11	0.24
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	18	0.24
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	4	0.24
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	11	0.24
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	18	0.24
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	8	0.24
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	17	0.24
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	3	0.24
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	9	0.24
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	11	0.24
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	17	0.24
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	6	0.24
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	6	0.24
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	6	0.24
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	19	0.24
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	2	0.24
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	2	0.24
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	19	0.24
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	10	0.24
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	10	0.24
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	10	0.24
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	9	0.24
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	16	0.24
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	12	0.24
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	14	0.24
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	3	0.24
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	11	0.24
(1,985)	1:105:A:VAL:H	1:107:A:ARG:H	13	0.24
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	18	0.24
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	20	0.24
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	17	0.24
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	5	0.24
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	18	0.24
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	7	0.24
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	20	0.24
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	6	0.24
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	6	0.24
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	15	0.24
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	11	0.24
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	17	0.24
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	19	0.24
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	2	0.24
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	11	0.24
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	1	0.24
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	12	0.24
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	1	0.24
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	5	0.24
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	5	0.24
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	11	0.24
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	19	0.24
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	19	0.24
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	18	0.24
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	19	0.24
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	19	0.24
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	9	0.24
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	17	0.24
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	20	0.24
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	4	0.24
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	4	0.24
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	9	0.24
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	9	0.24
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	12	0.24
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	12	0.24
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	16	0.24
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	16	0.24
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD1	8	0.24
(1,708)	1:89:A:VAL:HB	1:124:A:PHE:HD2	8	0.24
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	1	0.24
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	1	0.24
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	4	0.24
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	4	0.24
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	8	0.24
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	8	0.24
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	8	0.24
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	8	0.24
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	8	0.24
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	8	0.24
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	6	0.24
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	6	0.24
(1,645)	1:38:A:LYS:HA	1:41:A:GLU:HG3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	8	0.24
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	8	0.24
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	8	0.24
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	19	0.24
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	19	0.24
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	19	0.24
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	19	0.24
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	19	0.24
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	19	0.24
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	17	0.24
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	17	0.24
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	17	0.24
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	10	0.24
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	10	0.24
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	10	0.24
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	5	0.24
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	18	0.24
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	6	0.24
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	6	0.24
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	6	0.24
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	12	0.24
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	12	0.24
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	12	0.24
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	19	0.24
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	19	0.24
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	19	0.24
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	19	0.24
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	14	0.24
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	15	0.24
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	19	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	7	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	7	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	7	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	7	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	7	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	7	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	8	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	8	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	8	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	8	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	8	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	11	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	11	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	11	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	11	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	11	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	11	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	17	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	17	0.24
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	17	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	17	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	17	0.24
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	17	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	9	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	9	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	9	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	11	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	11	0.24
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	11	0.24
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	2	0.24
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	2	0.24
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	2	0.24
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	20	0.24
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	20	0.24
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	20	0.24
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	20	0.24
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	20	0.24
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	20	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	8	0.24
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	8	0.24
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	8	0.24
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	8	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	14	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	14	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	14	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	14	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	14	0.24
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	14	0.24
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	14	0.24
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	14	0.24
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD11	3	0.24
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD12	3	0.24
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD13	3	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	3	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	3	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	3	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	4	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	4	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	4	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	12	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	12	0.24
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	12	0.24
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	7	0.24
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	8	0.24
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	6	0.24
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	15	0.24
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	15	0.24
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	15	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	1	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	6	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	8	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	10	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	12	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	13	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	14	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	15	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	18	0.24
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	20	0.24
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	7	0.24
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	7	0.24
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	11	0.24
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	11	0.24
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	11	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	1	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	1	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	19	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	19	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD2	20	0.24
(1,287)	1:236:A:LYS:HA	1:236:A:LYS:HD3	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	3	0.24
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	3	0.24
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	5	0.24
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	5	0.24
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD11	19	0.24
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD12	19	0.24
(1,268)	1:42:A:MET:HG2	1:61:A:ILE:HD13	19	0.24
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD11	19	0.24
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD12	19	0.24
(1,268)	1:42:A:MET:HG3	1:61:A:ILE:HD13	19	0.24
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	19	0.24
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	19	0.24
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	19	0.24
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	5	0.24
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	10	0.24
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	15	0.24
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	15	0.24
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	15	0.24
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	15	0.24
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	15	0.24
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	15	0.24
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	8	0.24
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	8	0.24
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	8	0.24
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	19	0.24
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	19	0.24
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	19	0.24
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	19	0.24
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	19	0.24
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	19	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	6	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	6	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	6	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	19	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	19	0.24
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	19	0.24
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	15	0.24
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	15	0.24
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	15	0.24
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	8	0.24
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	8	0.24
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	8	0.24
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	6	0.24
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	6	0.24
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	16	0.24
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	16	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	2	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	2	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	2	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	4	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	4	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	4	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	7	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	7	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	7	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	8	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	8	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	8	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	16	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	16	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	16	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	17	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	17	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	17	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	19	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	19	0.24
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	19	0.24
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	7	0.24
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	12	0.24
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	12	0.24
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	12	0.24
(1,51)	1:91:A:TYR:HD1	1:92:A:ARG:H	14	0.24
(1,51)	1:91:A:TYR:HD2	1:92:A:ARG:H	14	0.24
(1,50)	1:45:A:PHE:HE1	1:214:A:PRO:HG2	20	0.24
(1,50)	1:45:A:PHE:HE2	1:214:A:PRO:HG2	20	0.24
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	14	0.24
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	14	0.24
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	14	0.24
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	14	0.24
(1,34)	1:156:A:LEU:HB2	1:178:A:TRP:HH2	8	0.24
(1,34)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	8	0.24
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	15	0.24
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	15	0.24
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	5	0.24
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	5	0.24
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	17	0.24
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	17	0.24
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	17	0.24
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	17	0.24
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	4	0.23
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	5	0.23
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	7	0.23
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	14	0.23
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	9	0.23
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	12	0.23
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	18	0.23
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	4	0.23
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	5	0.23
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	1	0.23
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	2	0.23
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	7	0.23
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	20	0.23
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	10	0.23
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	3	0.23
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	5	0.23
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	7	0.23
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	12	0.23
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	2	0.23
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	11	0.23
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	15	0.23
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	17	0.23
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	13	0.23
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	6	0.23
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	10	0.23
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	2	0.23
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	5	0.23
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	6	0.23
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	9	0.23
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	15	0.23
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	7	0.23
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	12	0.23
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	19	0.23
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	8	0.23
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	8	0.23
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	4	0.23
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	4	0.23
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	4	0.23
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	15	0.23
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	15	0.23
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	15	0.23
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	16	0.23
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	16	0.23
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	16	0.23
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD11	8	0.23
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD12	8	0.23
(1,2142)	1:113:A:LEU:HD21	1:196:A:LEU:HD13	8	0.23
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD11	8	0.23
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD12	8	0.23
(1,2142)	1:113:A:LEU:HD22	1:196:A:LEU:HD13	8	0.23
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD11	8	0.23
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD12	8	0.23
(1,2142)	1:113:A:LEU:HD23	1:196:A:LEU:HD13	8	0.23
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	1	0.23
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	1	0.23
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	1	0.23
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	1	0.23
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	1	0.23
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	1	0.23
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	7	0.23
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	7	0.23
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	7	0.23
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	2	0.23
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	2	0.23
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	2	0.23
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	9	0.23
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	9	0.23
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	9	0.23
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	20	0.23
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	20	0.23
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	20	0.23
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	17	0.23
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	17	0.23
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	17	0.23
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	17	0.23
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	17	0.23
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	9	0.23
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	9	0.23
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	9	0.23
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	6	0.23
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	6	0.23
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	6	0.23
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	6	0.23
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	6	0.23
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	6	0.23
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	6	0.23
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	6	0.23
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	6	0.23
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	2	0.23
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	2	0.23
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	2	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	3	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	3	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	3	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	3	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	3	0.23
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	3	0.23
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	3	0.23
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	3	0.23
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	3	0.23
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	20	0.23
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	20	0.23
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	20	0.23
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD11	10	0.23
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD12	10	0.23
(1,1906)	1:91:A:TYR:HE1	1:113:A:LEU:HD13	10	0.23
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD11	10	0.23
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD12	10	0.23
(1,1906)	1:91:A:TYR:HE2	1:113:A:LEU:HD13	10	0.23
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD1	16	0.23
(1,1879)	1:122:A:LEU:HD11	1:238:A:TYR:HD2	16	0.23
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD1	16	0.23
(1,1879)	1:122:A:LEU:HD12	1:238:A:TYR:HD2	16	0.23
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD1	16	0.23
(1,1879)	1:122:A:LEU:HD13	1:238:A:TYR:HD2	16	0.23
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	18	0.23
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	18	0.23
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	18	0.23
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	18	0.23
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	18	0.23
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	10	0.23
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	10	0.23
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	10	0.23
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	12	0.23
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	12	0.23
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	12	0.23
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	12	0.23
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	12	0.23
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	12	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	9	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	9	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	9	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	19	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	19	0.23
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	19	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	8	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	8	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	8	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	8	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	9	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	9	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	9	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	9	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	14	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	14	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	14	0.23
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	14	0.23
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	5	0.23
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	5	0.23
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	4	0.23
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	4	0.23
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	7	0.23
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	7	0.23
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	14	0.23
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	14	0.23
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	20	0.23
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	20	0.23
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	4	0.23
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	4	0.23
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	6	0.23
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	6	0.23
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB2	16	0.23
(1,1637)	1:24:A:LEU:H	1:24:A:LEU:HB3	16	0.23
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	8	0.23
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	7	0.23
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	18	0.23
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	17	0.23
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	6	0.23
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	6	0.23
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	6	0.23
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	13	0.23
(1,1602)	1:234:A:ILE:HB	1:235:A:GLN:H	19	0.23
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	2	0.23
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	10	0.23
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	10	0.23
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	10	0.23
(1,1566)	1:205:A:SER:H	1:206:A:SER:H	8	0.23
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	8	0.23
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	8	0.23
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	17	0.23
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	17	0.23
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	2	0.23
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	6	0.23
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	20	0.23
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	7	0.23
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	7	0.23
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	7	0.23
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	7	0.23
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	13	0.23
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	13	0.23
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	13	0.23
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	13	0.23
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	11	0.23
(1,1410)	1:136:A:ILE:H	1:137:A:GLY:H	12	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	1	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	2	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	5	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	15	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	17	0.23
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	20	0.23
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	1	0.23
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	1	0.23
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	1	0.23
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	16	0.23
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	16	0.23
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	16	0.23
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	20	0.23
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	20	0.23
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	20	0.23
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	19	0.23
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	2	0.23
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	8	0.23
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	6	0.23
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	6	0.23
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	6	0.23
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	19	0.23
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	19	0.23
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	19	0.23
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	15	0.23
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	15	0.23
(1,1346)	1:119:A:GLU:HB2	1:120:A:ILE:H	15	0.23
(1,1346)	1:119:A:GLU:HB3	1:120:A:ILE:H	15	0.23
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	15	0.23
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	15	0.23
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	15	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	10	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	10	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	10	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	10	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	18	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	18	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	18	0.23
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	18	0.23
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	1	0.23
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	3	0.23
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	5	0.23
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	7	0.23
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	10	0.23
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	11	0.23
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	11	0.23
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	11	0.23
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	10	0.23
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	10	0.23
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	9	0.23
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	15	0.23
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	5	0.23
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	5	0.23
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	10	0.23
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	10	0.23
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	16	0.23
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	16	0.23
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD11	15	0.23
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD12	15	0.23
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD13	15	0.23
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	3	0.23
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB2	9	0.23
(1,1199)	1:78:A:PHE:H	1:78:A:PHE:HB3	9	0.23
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	13	0.23
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	13	0.23
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	14	0.23
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	14	0.23
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	8	0.23
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	4	0.23
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	12	0.23
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	14	0.23
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	7	0.23
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	20	0.23
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	9	0.23
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	11	0.23
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	11	0.23
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	11	0.23
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	11	0.23
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	6	0.23
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	16	0.23
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	18	0.23
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	18	0.23
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	11	0.23
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	10	0.23
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	6	0.23
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	6	0.23
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	16	0.23
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	2	0.23
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	19	0.23
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	17	0.23
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	10	0.23
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	13	0.23
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	18	0.23
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	19	0.23
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	5	0.23
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	12	0.23
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	14	0.23
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	18	0.23
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	3	0.23
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	6	0.23
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	4	0.23
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	1	0.23
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	9	0.23
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	11	0.23
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	13	0.23
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	14	0.23
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	18	0.23
(1,1014)	1:105:A:VAL:H	1:106:A:ASP:H	10	0.23
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	4	0.23
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	5	0.23
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	8	0.23
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	14	0.23
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	15	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	5	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	5	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	10	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	10	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	19	0.23
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	19	0.23
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	11	0.23
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	7	0.23
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	7	0.23
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	7	0.23
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	4	0.23
(1,950)	1:58:A:VAL:H	1:59:A:ILE:H	9	0.23
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	15	0.23
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	19	0.23
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	16	0.23
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	16	0.23
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	3	0.23
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	4	0.23
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	12	0.23
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	17	0.23
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	18	0.23
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	4	0.23
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	5	0.23
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	4	0.23
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	12	0.23
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	17	0.23
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	18	0.23
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	6	0.23
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	17	0.23
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	3	0.23
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	11	0.23
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	1	0.23
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	9	0.23
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	9	0.23
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	9	0.23
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	13	0.23
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	13	0.23
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	13	0.23
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	10	0.23
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	10	0.23
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	10	0.23
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	18	0.23
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	16	0.23
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	16	0.23
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	16	0.23
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	6	0.23
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	6	0.23
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	6	0.23
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	1	0.23
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	1	0.23
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	8	0.23
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	8	0.23
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	14	0.23
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	14	0.23
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	16	0.23
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	3	0.23
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	3	0.23
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	3	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	2	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	2	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	2	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	2	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	2	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	2	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	2	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	2	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	2	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD11	18	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD12	18	0.23
(1,714)	1:93:A:ILE:HG21	1:93:A:ILE:HD13	18	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD11	18	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD12	18	0.23
(1,714)	1:93:A:ILE:HG22	1:93:A:ILE:HD13	18	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD11	18	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD12	18	0.23
(1,714)	1:93:A:ILE:HG23	1:93:A:ILE:HD13	18	0.23
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	18	0.23
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	18	0.23
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	2	0.23
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	15	0.23
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	15	0.23
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	18	0.23
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	18	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	12	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	12	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	12	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	12	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	12	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	12	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	16	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	16	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	16	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	16	0.23
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	16	0.23
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	16	0.23
(1,648)	1:42:A:MET:HE1	1:58:A:VAL:HA	10	0.23
(1,648)	1:42:A:MET:HE2	1:58:A:VAL:HA	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,648)	1:42:A:MET:HE3	1:58:A:VAL:HA	10	0.23
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	13	0.23
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD11	5	0.23
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD12	5	0.23
(1,625)	1:234:A:ILE:HG21	1:234:A:ILE:HD13	5	0.23
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD11	5	0.23
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD12	5	0.23
(1,625)	1:234:A:ILE:HG22	1:234:A:ILE:HD13	5	0.23
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD11	5	0.23
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD12	5	0.23
(1,625)	1:234:A:ILE:HG23	1:234:A:ILE:HD13	5	0.23
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	1	0.23
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	1	0.23
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	1	0.23
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	6	0.23
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	6	0.23
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	6	0.23
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	16	0.23
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	16	0.23
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	16	0.23
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	2	0.23
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	7	0.23
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	1	0.23
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	1	0.23
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	1	0.23
(1,561)	1:31:A:ASN:HB2	1:32:A:ALA:H	8	0.23
(1,561)	1:31:A:ASN:HB3	1:32:A:ALA:H	8	0.23
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	15	0.23
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	15	0.23
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	15	0.23
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	15	0.23
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	15	0.23
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	15	0.23
(1,509)	1:61:A:ILE:HA	1:63:A:GLN:H	19	0.23
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	19	0.23
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	19	0.23
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	1	0.23
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	1	0.23
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	1	0.23
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	1	0.23
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	11	0.23
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	13	0.23
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	20	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	4	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	4	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	4	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	4	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	4	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	4	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	6	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	6	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	6	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	6	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	6	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	6	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	10	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	10	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	10	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	10	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	10	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	10	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	14	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	14	0.23
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	14	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	14	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	14	0.23
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	14	0.23
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	1	0.23
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	1	0.23
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	7	0.23
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	1	0.23
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	9	0.23
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	15	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	1	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	1	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	1	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	10	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	10	0.23
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	10	0.23
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG21	2	0.23
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG22	2	0.23
(1,438)	1:120:A:ILE:H	1:120:A:ILE:HG23	2	0.23
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	1	0.23
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	1	0.23
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	1	0.23
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	20	0.23
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	20	0.23
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	20	0.23
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	20	0.23
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	4	0.23
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	4	0.23
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	1	0.23
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	1	0.23
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	1	0.23
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	13	0.23
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	13	0.23
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	13	0.23
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	13	0.23
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	13	0.23
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	13	0.23
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	15	0.23
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	15	0.23
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	15	0.23
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	15	0.23
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	15	0.23
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	15	0.23
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	15	0.23
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	15	0.23
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	15	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	8	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	8	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	8	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	8	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	16	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	16	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	16	0.23
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	16	0.23
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	14	0.23
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	14	0.23
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	14	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	2	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	3	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	4	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	7	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	9	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	11	0.23
(1,350)	1:50:A:ILE:H	1:50:A:ILE:HB	19	0.23
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	16	0.23
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	16	0.23
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	5	0.23
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	7	0.23
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	7	0.23
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	14	0.23
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	14	0.23
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	9	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	7	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	7	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	7	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	11	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	11	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	11	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	12	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	12	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	12	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	14	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	14	0.23
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	14	0.23
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	8	0.23
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	8	0.23
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG2	8	0.23
(1,249)	1:222:A:GLN:H	1:222:A:GLN:HG3	8	0.23
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	7	0.23
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	11	0.23
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	12	0.23
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	14	0.23
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	8	0.23
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	8	0.23
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	8	0.23
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	8	0.23
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	8	0.23
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	8	0.23
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG21	17	0.23
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG22	17	0.23
(1,197)	1:42:A:MET:HE1	1:61:A:ILE:HG23	17	0.23
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG21	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG22	17	0.23
(1,197)	1:42:A:MET:HE2	1:61:A:ILE:HG23	17	0.23
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG21	17	0.23
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG22	17	0.23
(1,197)	1:42:A:MET:HE3	1:61:A:ILE:HG23	17	0.23
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	11	0.23
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	11	0.23
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	11	0.23
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	7	0.23
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	7	0.23
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	7	0.23
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	7	0.23
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	7	0.23
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	7	0.23
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	20	0.23
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	20	0.23
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	20	0.23
(1,144)	1:131:A:THR:H	1:131:A:THR:HB	12	0.23
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	5	0.23
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	5	0.23
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	19	0.23
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	4	0.23
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	4	0.23
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	11	0.23
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	11	0.23
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	11	0.23
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	11	0.23
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	3	0.23
(1,97)	1:77:A:LEU:HA	1:77:A:LEU:HG	14	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	1	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	1	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	1	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	3	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	3	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	3	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	5	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	5	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	5	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	6	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	6	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	6	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	9	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	9	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	10	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	10	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	10	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	11	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	11	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	11	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	12	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	12	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	12	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	13	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	13	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	13	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	14	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	14	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	14	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	15	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	15	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	15	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	18	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	18	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	18	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.23
(1,90)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.23
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	5	0.23
(1,78)	1:42:A:MET:HA	1:44:A:LYS:H	14	0.23
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	6	0.23
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	6	0.23
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	2	0.23
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	2	0.23
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	5	0.23
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	5	0.23
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	15	0.22
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	5	0.22
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	6	0.22
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	18	0.22
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	5	0.22
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	6	0.22
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	14	0.22
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	13	0.22
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	16	0.22
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	19	0.22
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	1	0.22
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	2	0.22
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	12	0.22
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	15	0.22
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	5	0.22
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	6	0.22
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	1	0.22
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	5	0.22
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	2	0.22
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	1	0.22
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	11	0.22
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	17	0.22
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	11	0.22
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	11	0.22
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	11	0.22
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	5	0.22
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	5	0.22
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	5	0.22
(1,2236)	1:200:A:LEU:HD21	1:201:A:GLY:H	2	0.22
(1,2236)	1:200:A:LEU:HD22	1:201:A:GLY:H	2	0.22
(1,2236)	1:200:A:LEU:HD23	1:201:A:GLY:H	2	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	12	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	12	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	12	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	14	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	14	0.22
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	14	0.22
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	2	0.22
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	2	0.22
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	2	0.22
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	8	0.22
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	8	0.22
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	8	0.22
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	11	0.22
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	11	0.22
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	11	0.22
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	20	0.22
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	20	0.22
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2070)	1:72:A:VAL:HG11	1:73:A:ALA:H	11	0.22
(1,2070)	1:72:A:VAL:HG12	1:73:A:ALA:H	11	0.22
(1,2070)	1:72:A:VAL:HG13	1:73:A:ALA:H	11	0.22
(1,2070)	1:72:A:VAL:HG21	1:73:A:ALA:H	11	0.22
(1,2070)	1:72:A:VAL:HG22	1:73:A:ALA:H	11	0.22
(1,2070)	1:72:A:VAL:HG23	1:73:A:ALA:H	11	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	2	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	2	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	2	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	20	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	20	0.22
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	20	0.22
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	16	0.22
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	16	0.22
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	16	0.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	16	0.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	16	0.22
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	16	0.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	16	0.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	16	0.22
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	16	0.22
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	3	0.22
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	3	0.22
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	3	0.22
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG11	17	0.22
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG12	17	0.22
(1,2023)	1:92:A:ARG:H	1:127:A:VAL:HG13	17	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	3	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	3	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	3	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	17	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	17	0.22
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	17	0.22
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	14	0.22
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	14	0.22
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	14	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	11	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	11	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	11	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	13	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	13	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	16	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	16	0.22
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	16	0.22
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	8	0.22
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	8	0.22
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	8	0.22
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	8	0.22
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	8	0.22
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	8	0.22
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	8	0.22
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	8	0.22
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	8	0.22
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	14	0.22
(1,1830)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	14	0.22
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	14	0.22
(1,1830)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	14	0.22
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	14	0.22
(1,1830)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	14	0.22
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	18	0.22
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	18	0.22
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	18	0.22
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	11	0.22
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	11	0.22
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	11	0.22
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	11	0.22
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	11	0.22
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	11	0.22
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	11	0.22
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	7	0.22
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	7	0.22
(1,1780)	1:240:A:LYS:HG2	1:241:A:ARG:H	7	0.22
(1,1780)	1:240:A:LYS:HG3	1:241:A:ARG:H	7	0.22
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	1	0.22
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	1	0.22
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	3	0.22
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	3	0.22
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	9	0.22
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	9	0.22
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	1	0.22
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	1	0.22
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	6	0.22
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE21	13	0.22
(1,1766)	1:43:A:GLN:H	1:43:A:GLN:HE22	13	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	3	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	3	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	3	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	3	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	4	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	4	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	4	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	4	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	5	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	5	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	5	0.22
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	5	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	12	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	12	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	17	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	17	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	19	0.22
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	19	0.22
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	1	0.22
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	7	0.22
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	7	0.22
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	7	0.22
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	2	0.22
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	2	0.22
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	11	0.22
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	11	0.22
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	16	0.22
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	16	0.22
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	18	0.22
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	18	0.22
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	18	0.22
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	19	0.22
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	9	0.22
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	9	0.22
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	9	0.22
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	11	0.22
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	11	0.22
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	11	0.22
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	17	0.22
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	9	0.22
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	9	0.22
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	3	0.22
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	3	0.22
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	5	0.22
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	5	0.22
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	14	0.22
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	14	0.22
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	15	0.22
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	15	0.22
(1,1544)	1:159:A:ALA:HB1	1:198:A:HIS:H	14	0.22
(1,1544)	1:159:A:ALA:HB2	1:198:A:HIS:H	14	0.22
(1,1544)	1:159:A:ALA:HB3	1:198:A:HIS:H	14	0.22
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	9	0.22
(1,1538)	1:116:A:TRP:HE1	1:196:A:LEU:H	18	0.22
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	14	0.22
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	14	0.22
(1,1512)	1:179:A:THR:HB	1:185:A:GLY:H	17	0.22
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	1	0.22
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	1	0.22
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	1	0.22
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	1	0.22
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	13	0.22
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	13	0.22
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	13	0.22
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	13	0.22
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	1	0.22
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	12	0.22
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	14	0.22
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	17	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	8	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	8	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	8	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	8	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	18	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	18	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	18	0.22
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	18	0.22
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	10	0.22
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	16	0.22
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	16	0.22
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	3	0.22
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	3	0.22
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	3	0.22
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	17	0.22
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	1	0.22
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	6	0.22
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	16	0.22
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	20	0.22
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	11	0.22
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	4	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	1	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	10	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	11	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	13	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	14	0.22
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	19	0.22
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	9	0.22
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	9	0.22
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	9	0.22
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	17	0.22
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	17	0.22
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	17	0.22
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	15	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	2	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	4	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	10	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	13	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	16	0.22
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	17	0.22
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	8	0.22
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	3	0.22
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	3	0.22
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	3	0.22
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	8	0.22
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	9	0.22
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	9	0.22
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	9	0.22
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	1	0.22
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	1	0.22
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	3	0.22
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	3	0.22
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	18	0.22
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	19	0.22
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	19	0.22
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	11	0.22
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	9	0.22
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	12	0.22
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	6	0.22
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	6	0.22
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	8	0.22
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	8	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	1	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	5	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	9	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	10	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	11	0.22
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	12	0.22
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	7	0.22
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	20	0.22
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	17	0.22
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	17	0.22
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	9	0.22
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	9	0.22
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD1	15	0.22
(1,1197)	1:78:A:PHE:H	1:78:A:PHE:HD2	15	0.22
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	6	0.22
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	6	0.22
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	11	0.22
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	3	0.22
(1,1176)	1:235:A:GLN:H	1:237:A:LEU:H	10	0.22
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	3	0.22
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	6	0.22
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	14	0.22
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	17	0.22
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	18	0.22
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	19	0.22
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	8	0.22
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	7	0.22
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	14	0.22
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	8	0.22
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	15	0.22
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	6	0.22
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	14	0.22
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	14	0.22
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	18	0.22
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	13	0.22
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	18	0.22
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	2	0.22
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	6	0.22
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	7	0.22
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	4	0.22
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	6	0.22
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	15	0.22
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	7	0.22
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	7	0.22
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	10	0.22
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	13	0.22
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	19	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	1	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	2	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	6	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	7	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	12	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	13	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	16	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	18	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	19	0.22
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	20	0.22
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	2	0.22
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	2	0.22
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	18	0.22
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	18	0.22
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG12	18	0.22
(1,995)	1:93:A:ILE:H	1:93:A:ILE:HG13	18	0.22
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	3	0.22
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	3	0.22
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	5	0.22
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	19	0.22
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	3	0.22
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	4	0.22
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	6	0.22
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	9	0.22
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	17	0.22
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	9	0.22
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	9	0.22
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	9	0.22
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	19	0.22
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	19	0.22
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	19	0.22
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	11	0.22
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	14	0.22
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	16	0.22
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	6	0.22
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	1	0.22
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	4	0.22
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	4	0.22
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	11	0.22
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	11	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	1	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	6	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	9	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	11	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	12	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	13	0.22
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	20	0.22
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	2	0.22
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	3	0.22
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	15	0.22
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	3	0.22
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	15	0.22
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	15	0.22
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	15	0.22
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	3	0.22
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	3	0.22
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	3	0.22
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	15	0.22
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	8	0.22
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	8	0.22
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	7	0.22
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	8	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	12	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	12	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	15	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	15	0.22
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	17	0.22
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	9	0.22
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	9	0.22
(1,812)	1:178:A:TRP:HE3	1:188:A:PHE:HB2	7	0.22
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	17	0.22
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	17	0.22
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	17	0.22
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE1	11	0.22
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE2	11	0.22
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE3	11	0.22
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	5	0.22
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	12	0.22
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	2	0.22
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	12	0.22
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	12	0.22
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	12	0.22
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	2	0.22
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	2	0.22
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	4	0.22
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	16	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	13	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	13	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	18	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	18	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	19	0.22
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	19	0.22
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	13	0.22
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	13	0.22
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	13	0.22
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	13	0.22
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	13	0.22
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	9	0.22
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG2	5	0.22
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG3	5	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	10	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	10	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	10	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	10	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	10	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	10	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	15	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	15	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	15	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	15	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	15	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	19	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	19	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	19	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	19	0.22
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	19	0.22
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	19	0.22
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE1	15	0.22
(1,615)	1:120:A:ILE:HD11	1:124:A:PHE:HE2	15	0.22
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE1	15	0.22
(1,615)	1:120:A:ILE:HD12	1:124:A:PHE:HE2	15	0.22
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE1	15	0.22
(1,615)	1:120:A:ILE:HD13	1:124:A:PHE:HE2	15	0.22
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	1	0.22
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	12	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	20	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	20	0.22
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	20	0.22
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	1	0.22
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	1	0.22
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	1	0.22
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	1	0.22
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	1	0.22
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	1	0.22
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	12	0.22
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	12	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	9	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	9	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	11	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	11	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	20	0.22
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	20	0.22
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	1	0.22
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	2	0.22
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	9	0.22
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	17	0.22
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	5	0.22
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	5	0.22
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	18	0.22
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	18	0.22
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	18	0.22
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	2	0.22
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	12	0.22
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	14	0.22
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	15	0.22
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	15	0.22
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	15	0.22
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	15	0.22
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	3	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	10	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	10	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	10	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB1	10	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB2	10	0.22
(1,396)	1:92:A:ARG:HD2	1:132:A:ALA:HB3	10	0.22
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB1	10	0.22
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB2	10	0.22
(1,396)	1:92:A:ARG:HD3	1:132:A:ALA:HB3	10	0.22
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	17	0.22
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	17	0.22
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	17	0.22
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	18	0.22
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	20	0.22
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD11	5	0.22
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD12	5	0.22
(1,348)	1:120:A:ILE:HD11	1:234:A:ILE:HD13	5	0.22
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD11	5	0.22
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD12	5	0.22
(1,348)	1:120:A:ILE:HD12	1:234:A:ILE:HD13	5	0.22
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD11	5	0.22
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD12	5	0.22
(1,348)	1:120:A:ILE:HD13	1:234:A:ILE:HD13	5	0.22
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	20	0.22
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	20	0.22
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	10	0.22
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	10	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	5	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	5	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	5	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	10	0.22
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	10	0.22
(1,223)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	16	0.22
(1,223)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	16	0.22
(1,223)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	16	0.22
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	19	0.22
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	19	0.22
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	19	0.22
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	2	0.22
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	2	0.22
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	2	0.22
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	2	0.22
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	2	0.22
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	2	0.22
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	6	0.22
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	6	0.22
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	6	0.22
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	6	0.22
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	6	0.22
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	6	0.22
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	9	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	2	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	2	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	6	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	6	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	15	0.22
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	15	0.22
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	20	0.22
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	15	0.22
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	15	0.22
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB2	2	0.22
(1,84)	1:46:A:PHE:HA	1:214:A:PRO:HB3	2	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	2	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	2	0.22
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	2	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	6	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	6	0.22
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	6	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	11	0.22
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	11	0.22
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	11	0.22
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	20	0.22
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	20	0.22
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE1	18	0.22
(1,8)	1:91:A:TYR:H	1:91:A:TYR:HE2	18	0.22
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	18	0.21
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	8	0.21
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	13	0.21
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	8	0.21
(4,39)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	14	0.21
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	12	0.21
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	11	0.21
(4,33)	2:302:A:CA:CA	1:173:A:ASP:OD2	17	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	4	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	9	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	10	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	16	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	19	0.21
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	20	0.21
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	1	0.21
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	2	0.21
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	8	0.21
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	20	0.21
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	6	0.21
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	7	0.21
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	8	0.21
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	12	0.21
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	14	0.21
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	8	0.21
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	9	0.21
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	12	0.21
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	17	0.21
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	20	0.21
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	1	0.21
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	3	0.21
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	7	0.21
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	3	0.21
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	7	0.21
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	10	0.21
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	15	0.21
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	17	0.21
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	11	0.21
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	5	0.21
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	5	0.21
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	5	0.21
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	2	0.21
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	2	0.21
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	2	0.21
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	5	0.21
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	5	0.21
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	5	0.21
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	5	0.21
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	5	0.21
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	5	0.21
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	5	0.21
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	5	0.21
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	5	0.21
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	5	0.21
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	5	0.21
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	5	0.21
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	13	0.21
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	13	0.21
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	13	0.21
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	20	0.21
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	20	0.21
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	20	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	4	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	4	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	4	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	5	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	5	0.21
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	5	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	10	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	10	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	10	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	10	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	10	0.21
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	10	0.21
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	10	0.21
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	10	0.21
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	10	0.21
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	3	0.21
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	3	0.21
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	16	0.21
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	16	0.21
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	16	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	16	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	16	0.21
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	16	0.21
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	14	0.21
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	14	0.21
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	14	0.21
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	8	0.21
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	8	0.21
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	8	0.21
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	16	0.21
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	16	0.21
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	16	0.21
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	9	0.21
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	9	0.21
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	9	0.21
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD11	1:104:A:THR:HG23	14	0.21
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD12	1:104:A:THR:HG23	14	0.21
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD13	1:104:A:THR:HG23	14	0.21
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD21	1:104:A:THR:HG23	14	0.21
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD22	1:104:A:THR:HG23	14	0.21
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG21	14	0.21
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG22	14	0.21
(1,1874)	1:100:A:LEU:HD23	1:104:A:THR:HG23	14	0.21
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	20	0.21
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	20	0.21
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	20	0.21
(1,1806)	1:72:A:VAL:HG21	1:73:A:ALA:HA	19	0.21
(1,1806)	1:72:A:VAL:HG22	1:73:A:ALA:HA	19	0.21
(1,1806)	1:72:A:VAL:HG23	1:73:A:ALA:HA	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	9	0.21
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	9	0.21
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	9	0.21
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE1	5	0.21
(1,1798)	1:122:A:LEU:HD21	1:124:A:PHE:HE2	5	0.21
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE1	5	0.21
(1,1798)	1:122:A:LEU:HD22	1:124:A:PHE:HE2	5	0.21
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE1	5	0.21
(1,1798)	1:122:A:LEU:HD23	1:124:A:PHE:HE2	5	0.21
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	17	0.21
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	10	0.21
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	18	0.21
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	19	0.21
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	19	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	1	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	1	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	1	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	1	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	2	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	2	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	2	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	2	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	7	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	7	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	7	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	7	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	11	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	11	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	11	0.21
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	11	0.21
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	12	0.21
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	8	0.21
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	8	0.21
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	1	0.21
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	1	0.21
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG2	10	0.21
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG3	10	0.21
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	7	0.21
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	7	0.21
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	8	0.21
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	19	0.21
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	10	0.21
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	10	0.21
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	10	0.21
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	10	0.21
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	1	0.21
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	1	0.21
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	3	0.21
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	18	0.21
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	18	0.21
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	18	0.21
(1,1606)	1:234:A:ILE:H	1:236:A:LYS:H	12	0.21
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	5	0.21
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	16	0.21
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	16	0.21
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	4	0.21
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	4	0.21
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	12	0.21
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	12	0.21
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	13	0.21
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	13	0.21
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	20	0.21
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	20	0.21
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	9	0.21
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	12	0.21
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	16	0.21
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	4	0.21
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	10	0.21
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	15	0.21
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	11	0.21
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	11	0.21
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	11	0.21
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	11	0.21
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	8	0.21
(1,1445)	1:157:A:ALA:H	1:158:A:HIS:H	15	0.21
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	2	0.21
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	16	0.21
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	16	0.21
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	13	0.21
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	13	0.21
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	13	0.21
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	13	0.21
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	7	0.21
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	8	0.21
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	14	0.21
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	14	0.21
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	14	0.21
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	15	0.21
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	15	0.21
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	15	0.21
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	7	0.21
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	20	0.21
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	3	0.21
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	4	0.21
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	13	0.21
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	4	0.21
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	8	0.21
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	17	0.21
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	8	0.21
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD1	20	0.21
(1,1357)	1:124:A:PHE:H	1:124:A:PHE:HD2	20	0.21
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	8	0.21
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	8	0.21
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	8	0.21
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	6	0.21
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	2	0.21
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	5	0.21
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	7	0.21
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	18	0.21
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	9	0.21
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	9	0.21
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	15	0.21
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	15	0.21
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	7	0.21
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	10	0.21
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	14	0.21
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	19	0.21
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	20	0.21
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	9	0.21
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	9	0.21
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	8	0.21
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	9	0.21
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	9	0.21
(1,1210)	1:84:A:TRP:HA	1:86:A:SER:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	18	0.21
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	18	0.21
(1,1193)	1:66:A:ARG:H	1:156:A:LEU:H	5	0.21
(1,1187)	1:13:A:GLU:H	1:15:A:ALA:H	17	0.21
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	4	0.21
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	3	0.21
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	9	0.21
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	3	0.21
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	9	0.21
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	16	0.21
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	11	0.21
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	15	0.21
(1,1144)	1:200:A:LEU:H	1:201:A:GLY:H	15	0.21
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	4	0.21
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	11	0.21
(1,1073)	1:150:A:ASP:H	1:151:A:GLY:H	17	0.21
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	10	0.21
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	3	0.21
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	13	0.21
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	13	0.21
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	7	0.21
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	9	0.21
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	13	0.21
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	15	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	1	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	2	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	3	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	5	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	6	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	8	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	11	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	14	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	16	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	17	0.21
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	18	0.21
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	3	0.21
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	9	0.21
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	11	0.21
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	17	0.21
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	4	0.21
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	4	0.21
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	11	0.21
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	11	0.21
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	6	0.21
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	13	0.21
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	17	0.21
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	4	0.21
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	16	0.21
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	17	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	1	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	2	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	5	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	7	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	8	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	10	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	11	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	12	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	13	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	14	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	15	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	16	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	18	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	19	0.21
(1,979)	1:107:A:ARG:H	1:108:A:LEU:H	20	0.21
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	20	0.21
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	17	0.21
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	14	0.21
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	11	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	2	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	7	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	8	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	14	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	16	0.21
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	19	0.21
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	16	0.21
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	10	0.21
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	10	0.21
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	6	0.21
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	15	0.21
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	5	0.21
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	2	0.21
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	5	0.21
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	17	0.21
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	14	0.21
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	14	0.21
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	7	0.21
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	7	0.21
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	19	0.21
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	19	0.21
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	19	0.21
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	3	0.21
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	3	0.21
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	5	0.21
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	5	0.21
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	8	0.21
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	16	0.21
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	18	0.21
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	18	0.21
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	18	0.21
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	20	0.21
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	20	0.21
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	20	0.21
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	8	0.21
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	19	0.21
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	19	0.21
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	19	0.21
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	3	0.21
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	3	0.21
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	5	0.21
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	5	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	1	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	1	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	2	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	2	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	3	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	3	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	5	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	5	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	7	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	7	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	8	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	8	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	10	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	11	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	11	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	14	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	14	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	15	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	15	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	17	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	17	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	20	0.21
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	20	0.21
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	3	0.21
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	3	0.21
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	3	0.21
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	3	0.21
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	3	0.21
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	3	0.21
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	20	0.21
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	20	0.21
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	12	0.21
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	14	0.21
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	14	0.21
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	9	0.21
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	9	0.21
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	9	0.21
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	9	0.21
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	9	0.21
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	9	0.21
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	10	0.21
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	10	0.21
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	17	0.21
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	17	0.21
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	17	0.21
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	17	0.21
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	17	0.21
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	17	0.21
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE1	5	0.21
(1,650)	1:42:A:MET:HE1	1:46:A:PHE:HE2	5	0.21
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE1	5	0.21
(1,650)	1:42:A:MET:HE2	1:46:A:PHE:HE2	5	0.21
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE1	5	0.21
(1,650)	1:42:A:MET:HE3	1:46:A:PHE:HE2	5	0.21
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	1	0.21
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	1	0.21
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	19	0.21
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	19	0.21
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	19	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	1	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	1	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	1	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	2	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	2	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	2	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	15	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	15	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	15	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	19	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	19	0.21
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	19	0.21
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	9	0.21
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	9	0.21
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	9	0.21
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG21	6	0.21
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG22	6	0.21
(1,599)	1:61:A:ILE:HB	1:215:A:THR:HG23	6	0.21
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	16	0.21
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	19	0.21
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	20	0.21
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG21	16	0.21
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG22	16	0.21
(1,568)	1:150:A:ASP:HB2	1:155:A:THR:HG23	16	0.21
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG21	16	0.21
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG22	16	0.21
(1,568)	1:150:A:ASP:HB3	1:155:A:THR:HG23	16	0.21
(1,541)	1:86:A:SER:H	1:86:A:SER:HB2	9	0.21
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	5	0.21
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	6	0.21
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	6	0.21
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	10	0.21
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	10	0.21
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	6	0.21
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	6	0.21
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	6	0.21
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	6	0.21
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	8	0.21
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	10	0.21
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD11	19	0.21
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD12	19	0.21
(1,478)	1:91:A:TYR:HE1	1:93:A:ILE:HD13	19	0.21
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD11	19	0.21
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD12	19	0.21
(1,478)	1:91:A:TYR:HE2	1:93:A:ILE:HD13	19	0.21
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	12	0.21
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	12	0.21
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	12	0.21
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	15	0.21
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	15	0.21
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	15	0.21
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	4	0.21
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	18	0.21
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	2	0.21
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	2	0.21
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	2	0.21
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	2	0.21
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	2	0.21
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	10	0.21
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	10	0.21
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	10	0.21
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	10	0.21
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	8	0.21
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	20	0.21
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	7	0.21
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	7	0.21
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG12	9	0.21
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG13	9	0.21
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	16	0.21
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	16	0.21
(1,374)	1:215:A:THR:H	1:215:A:THR:HG21	2	0.21
(1,374)	1:215:A:THR:H	1:215:A:THR:HG22	2	0.21
(1,374)	1:215:A:THR:H	1:215:A:THR:HG23	2	0.21
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	20	0.21
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	9	0.21
(1,367)	1:46:A:PHE:H	1:48:A:LEU:HG	13	0.21
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	17	0.21
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	17	0.21
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	18	0.21
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	18	0.21
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	18	0.21
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	10	0.21
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	10	0.21
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	10	0.21
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	14	0.21
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	17	0.21
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	5	0.21
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	5	0.21
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	5	0.21
(1,298)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	5	0.21
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	5	0.21
(1,298)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	5	0.21
(1,283)	1:83:A:LYS:HB2	1:84:A:TRP:H	15	0.21
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	2	0.21
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	2	0.21
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	4	0.21
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	4	0.21
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	12	0.21
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	12	0.21
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	16	0.21
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	16	0.21
(1,272)	1:123:A:HIS:HB2	1:124:A:PHE:H	20	0.21
(1,272)	1:123:A:HIS:HB3	1:124:A:PHE:H	20	0.21
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	12	0.21
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	12	0.21
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	12	0.21
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	17	0.21
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	17	0.21
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	17	0.21
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	4	0.21
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	4	0.21
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	3	0.21
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	9	0.21
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	13	0.21
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	16	0.21
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	20	0.21
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	11	0.21
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	11	0.21
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	13	0.21
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	13	0.21
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	13	0.21
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	19	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	4	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	4	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	8	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	8	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	16	0.21
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	16	0.21
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	3	0.21
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	3	0.21
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	3	0.21
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	3	0.21
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD1	13	0.21
(1,48)	1:95:A:SER:HB2	1:138:A:PHE:HD2	13	0.21
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD1	13	0.21
(1,48)	1:95:A:SER:HB3	1:138:A:PHE:HD2	13	0.21
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	14	0.21
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	14	0.21
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	14	0.21
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	19	0.21
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	19	0.21
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	19	0.21
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	5	0.21
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	18	0.21
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	18	0.21
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	18	0.21
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	11	0.2
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	2	0.2
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	12	0.2
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	17	0.2
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	7	0.2
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	18	0.2
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	3	0.2
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	4	0.2
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	3	0.2
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	14	0.2
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	3	0.2
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	19	0.2
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	3	0.2
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	4	0.2
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	8	0.2
(4,27)	2:301:A:CA:CA	1:133:A:ASP:O	19	0.2
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	4	0.2
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	13	0.2
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	14	0.2
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	19	0.2
(4,16)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	13	0.2
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	5	0.2
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	16	0.2
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	15	0.2
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD21	12	0.2
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD22	12	0.2
(1,2252)	1:66:A:ARG:H	1:156:A:LEU:HD23	12	0.2
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	14	0.2
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	14	0.2
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	14	0.2
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	19	0.2
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	19	0.2
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	19	0.2
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	16	0.2
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	16	0.2
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	16	0.2
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	18	0.2
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	18	0.2
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	18	0.2
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	1	0.2
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	1	0.2
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	1	0.2
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	13	0.2
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	13	0.2
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	13	0.2
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	11	0.2
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	11	0.2
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	11	0.2
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	5	0.2
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	5	0.2
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	5	0.2
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	5	0.2
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	5	0.2
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	5	0.2
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	5	0.2
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	5	0.2
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	5	0.2
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	5	0.2
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	5	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	13	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	13	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	13	0.2
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	13	0.2
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	13	0.2
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	13	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	13	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	13	0.2
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	13	0.2
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	1	0.2
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	1	0.2
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	1	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	2	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	2	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	2	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	17	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	17	0.2
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	17	0.2
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG21	11	0.2
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG22	11	0.2
(1,1963)	1:126:A:LYS:HB3	1:128:A:VAL:HG23	11	0.2
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD21	4	0.2
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD22	4	0.2
(1,1953)	1:134:A:ILE:HG21	1:196:A:LEU:HD23	4	0.2
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD21	4	0.2
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD22	4	0.2
(1,1953)	1:134:A:ILE:HG22	1:196:A:LEU:HD23	4	0.2
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD21	4	0.2
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD22	4	0.2
(1,1953)	1:134:A:ILE:HG23	1:196:A:LEU:HD23	4	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	1	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	1	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	1	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	14	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	14	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	14	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	20	0.2
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	20	0.2
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG21	6	0.2
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG22	6	0.2
(1,1920)	1:128:A:VAL:HA	1:127:A:VAL:HG23	6	0.2
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	18	0.2
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	18	0.2
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	18	0.2
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	12	0.2
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	12	0.2
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	12	0.2
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	12	0.2
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	12	0.2
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	12	0.2
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	12	0.2
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	12	0.2
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	12	0.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	2	0.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	2	0.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	2	0.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	2	0.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	2	0.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	2	0.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	10	0.2
(1,1831)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	10	0.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	10	0.2
(1,1831)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	10	0.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	10	0.2
(1,1831)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	10	0.2
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	8	0.2
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	8	0.2
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	8	0.2
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	8	0.2
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	8	0.2
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	8	0.2
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	8	0.2
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	11	0.2
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	11	0.2
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	14	0.2
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	14	0.2
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	14	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	1	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	1	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	1	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	1	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	1	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	1	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	16	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	16	0.2
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	16	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	16	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	16	0.2
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	16	0.2
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB2	12	0.2
(1,1781)	1:241:A:ARG:H	1:241:A:ARG:HB3	12	0.2
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	10	0.2
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	10	0.2
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	16	0.2
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	16	0.2
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD2	16	0.2
(1,1762)	1:111:A:LYS:H	1:111:A:LYS:HD3	16	0.2
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	17	0.2
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	12	0.2
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	18	0.2
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	18	0.2
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	18	0.2
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	12	0.2
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	12	0.2
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	17	0.2
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	2	0.2
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	16	0.2
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	16	0.2
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	16	0.2
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	16	0.2
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	12	0.2
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	5	0.2
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	5	0.2
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	11	0.2
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	14	0.2
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	14	0.2
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	20	0.2
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	20	0.2
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	20	0.2
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	2	0.2
(1,1469)	1:136:A:ILE:HA	1:170:A:ALA:H	18	0.2
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	9	0.2
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	9	0.2
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	13	0.2
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	13	0.2
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB1	4	0.2
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB2	4	0.2
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB3	4	0.2
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	7	0.2
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	9	0.2
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	11	0.2
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	16	0.2
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	11	0.2
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	11	0.2
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	4	0.2
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	13	0.2
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	12	0.2
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	12	0.2
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	12	0.2
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	3	0.2
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	5	0.2
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	11	0.2
(1,1386)	1:90:A:THR:HB	1:133:A:ASP:H	9	0.2
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	3	0.2
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	9	0.2
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	3	0.2
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	19	0.2
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	1	0.2
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	1	0.2
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	6	0.2
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	9	0.2
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	12	0.2
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	17	0.2
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	9	0.2
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	4	0.2
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	20	0.2
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	20	0.2
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	1	0.2
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	1	0.2
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	1	0.2
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	7	0.2
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	7	0.2
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	7	0.2
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	11	0.2
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	11	0.2
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	11	0.2
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	13	0.2
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	13	0.2
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	13	0.2
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	17	0.2
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	17	0.2
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	17	0.2
(1,1334)	1:116:A:TRP:HE1	1:196:A:LEU:H	8	0.2
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	5	0.2
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	5	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	1	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	3	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	8	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	11	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	12	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	13	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	14	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	16	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	19	0.2
(1,1291)	1:107:A:ARG:H	1:107:A:ARG:HB2	20	0.2
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	3	0.2
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	3	0.2
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	16	0.2
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	16	0.2
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	6	0.2
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	2	0.2
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	2	0.2
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	19	0.2
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	2	0.2
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	2	0.2
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB2	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1194)	1:75:A:TYR:H	1:75:A:TYR:HB3	11	0.2
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	4	0.2
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	2	0.2
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	7	0.2
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	10	0.2
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	19	0.2
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	3	0.2
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	5	0.2
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	5	0.2
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	11	0.2
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	11	0.2
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	11	0.2
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	7	0.2
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	6	0.2
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	20	0.2
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	10	0.2
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	10	0.2
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	10	0.2
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	16	0.2
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	10	0.2
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	1	0.2
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	5	0.2
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	12	0.2
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	14	0.2
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	8	0.2
(1,1079)	1:157:A:ALA:H	1:158:A:HIS:H	15	0.2
(1,1077)	1:156:A:LEU:H	1:157:A:ALA:H	9	0.2
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	12	0.2
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	15	0.2
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	2	0.2
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	6	0.2
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	20	0.2
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	6	0.2
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	11	0.2
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	1	0.2
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	4	0.2
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	16	0.2
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	8	0.2
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	4	0.2
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	9	0.2
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	12	0.2
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	20	0.2
(1,1011)	1:105:A:VAL:H	1:106:A:ASP:H	10	0.2
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	10	0.2
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	10	0.2
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	3	0.2
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	8	0.2
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	8	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	4	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	4	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	4	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	14	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	14	0.2
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	14	0.2
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	1	0.2
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	4	0.2
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	8	0.2
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	19	0.2
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	1	0.2
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	3	0.2
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	5	0.2
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	18	0.2
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	11	0.2
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	13	0.2
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	14	0.2
(1,953)	1:58:A:VAL:H	1:59:A:ILE:H	9	0.2
(1,947)	1:55:A:ASN:H	1:58:A:VAL:H	16	0.2
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	11	0.2
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	3	0.2
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	11	0.2
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	15	0.2
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	17	0.2
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	18	0.2
(1,918)	1:40:A:LYS:H	1:41:A:GLU:H	5	0.2
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	9	0.2
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	11	0.2
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	14	0.2
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	18	0.2
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	5	0.2
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	5	0.2
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	2	0.2
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	10	0.2
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	15	0.2
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	10	0.2
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	16	0.2
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	2	0.2
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	2	0.2
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	9	0.2
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	9	0.2
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	9	0.2
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	7	0.2
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	7	0.2
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	20	0.2
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	20	0.2
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	20	0.2
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	3	0.2
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	3	0.2
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	3	0.2
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	3	0.2
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	3	0.2
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	3	0.2
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	7	0.2
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	7	0.2
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	14	0.2
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	14	0.2
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	3	0.2
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	7	0.2
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	3	0.2
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	3	0.2
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	3	0.2
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	20	0.2
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	20	0.2
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	20	0.2
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	2	0.2
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	2	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	2	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	2	0.2
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	19	0.2
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	19	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	19	0.2
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	19	0.2
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	12	0.2
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	12	0.2
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	15	0.2
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	17	0.2
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	17	0.2
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	20	0.2
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	20	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	4	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	4	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	6	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	6	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB2	9	0.2
(1,742)	1:109:A:VAL:H	1:110:A:SER:HB3	9	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	6	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	6	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	6	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	6	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	6	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	6	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG12	7	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	7	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG12	7	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	7	0.2
(1,676)	1:46:A:PHE:HE1	1:61:A:ILE:HG13	7	0.2
(1,676)	1:46:A:PHE:HE2	1:61:A:ILE:HG13	7	0.2
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	7	0.2
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	7	0.2
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	7	0.2
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	3	0.2
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	11	0.2
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	14	0.2
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG12	16	0.2
(1,555)	1:4:A:ALA:HB1	1:59:A:ILE:HG13	16	0.2
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG12	16	0.2
(1,555)	1:4:A:ALA:HB2	1:59:A:ILE:HG13	16	0.2
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG12	16	0.2
(1,555)	1:4:A:ALA:HB3	1:59:A:ILE:HG13	16	0.2
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	11	0.2
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	11	0.2
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	11	0.2
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	11	0.2
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	11	0.2
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	11	0.2
(1,539)	1:204:A:HIS:HA	1:204:A:HIS:HD2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	6	0.2
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	6	0.2
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	6	0.2
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	7	0.2
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	7	0.2
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	5	0.2
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	5	0.2
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	3	0.2
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	7	0.2
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	1	0.2
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	1	0.2
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	1	0.2
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	3	0.2
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	3	0.2
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	3	0.2
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	10	0.2
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	10	0.2
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	10	0.2
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	16	0.2
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	16	0.2
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	16	0.2
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	19	0.2
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	19	0.2
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	19	0.2
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	16	0.2
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	16	0.2
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	18	0.2
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	18	0.2
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	18	0.2
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	2	0.2
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	2	0.2
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	2	0.2
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	2	0.2
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	16	0.2
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG21	17	0.2
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG22	17	0.2
(1,425)	1:115:A:MET:HE1	1:193:A:THR:HG23	17	0.2
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG21	17	0.2
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG22	17	0.2
(1,425)	1:115:A:MET:HE2	1:193:A:THR:HG23	17	0.2
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG21	17	0.2
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG22	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:115:A:MET:HE3	1:193:A:THR:HG23	17	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	2	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	2	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	2	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG21	2	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG22	2	0.2
(1,422)	1:116:A:TRP:HZ2	1:193:A:THR:HG23	2	0.2
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	13	0.2
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	13	0.2
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	1	0.2
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	1	0.2
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	1	0.2
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	1	0.2
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	1	0.2
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	1	0.2
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	9	0.2
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	9	0.2
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	9	0.2
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	9	0.2
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	9	0.2
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	9	0.2
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG12	1	0.2
(1,357)	1:59:A:ILE:H	1:59:A:ILE:HG13	1	0.2
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG2	6	0.2
(1,353)	1:20:A:LYS:HA	1:20:A:LYS:HG3	6	0.2
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	16	0.2
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	16	0.2
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	1	0.2
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	1	0.2
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	1	0.2
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	16	0.2
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	16	0.2
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	16	0.2
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	20	0.2
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	20	0.2
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	20	0.2
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	11	0.2
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	14	0.2
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	14	0.2
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	19	0.2
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	19	0.2
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	11	0.2
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	11	0.2
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	11	0.2
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	11	0.2
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	11	0.2
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	1	0.2
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	6	0.2
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	8	0.2
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	15	0.2
(1,211)	1:41:A:GLU:H	1:41:A:GLU:HG3	19	0.2
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	18	0.2
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	18	0.2
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	18	0.2
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	18	0.2
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	18	0.2
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	18	0.2
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	10	0.2
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	10	0.2
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	10	0.2
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	9	0.2
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	9	0.2
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	9	0.2
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	9	0.2
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	9	0.2
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	9	0.2
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	13	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	11	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	11	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	17	0.2
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	17	0.2
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	15	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	7	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	7	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	13	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	13	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	17	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	17	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	20	0.2
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	20	0.2
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	7	0.2
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	7	0.2
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	18	0.2
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	18	0.2
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	18	0.2
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	9	0.2
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	9	0.2
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	9	0.2
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	16	0.19
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	7	0.19
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	6	0.19
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	17	0.19
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	14	0.19
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	18	0.19
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	8	0.19
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	13	0.19
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	18	0.19
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	4	0.19
(4,29)	2:301:A:CA:CA	1:169:A:ASP:OD2	18	0.19
(4,26)	2:301:A:CA:CA	1:167:A:GLY:O	8	0.19
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	8	0.19
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	14	0.19
(4,11)	2:302:A:CA:CA	1:153:A:GLY:O	18	0.19
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	11	0.19
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	9	0.19
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	9	0.19
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	9	0.19
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	9	0.19
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	9	0.19
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	9	0.19
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	14	0.19
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	14	0.19
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	14	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	7	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	7	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	7	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	15	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	15	0.19
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	15	0.19
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	10	0.19
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	10	0.19
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	10	0.19
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	3	0.19
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	3	0.19
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE1	20	0.19
(1,2077)	1:89:A:VAL:HG11	1:124:A:PHE:HE2	20	0.19
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE1	20	0.19
(1,2077)	1:89:A:VAL:HG12	1:124:A:PHE:HE2	20	0.19
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE1	20	0.19
(1,2077)	1:89:A:VAL:HG13	1:124:A:PHE:HE2	20	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	5	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	12	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	12	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	12	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	12	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	12	0.19
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	12	0.19
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	5	0.19
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	5	0.19
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	5	0.19
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	20	0.19
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	20	0.19
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	20	0.19
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	20	0.19
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	20	0.19
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	20	0.19
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	20	0.19
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	20	0.19
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	20	0.19
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD21	4	0.19
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD22	4	0.19
(1,1984)	1:43:A:GLN:HA	1:48:A:LEU:HD23	4	0.19
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG21	17	0.19
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG22	17	0.19
(1,1970)	1:54:A:LEU:H	1:58:A:VAL:HG23	17	0.19
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	3	0.19
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	3	0.19
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	3	0.19
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	14	0.19
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	14	0.19
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	14	0.19
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	14	0.19
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	14	0.19
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	14	0.19
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	14	0.19
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	14	0.19
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	6	0.19
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	6	0.19
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	6	0.19
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	11	0.19
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	11	0.19
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	11	0.19
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	11	0.19
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	11	0.19
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	11	0.19
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	11	0.19
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	13	0.19
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	13	0.19
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	13	0.19
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	13	0.19
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	13	0.19
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	13	0.19
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	2	0.19
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	10	0.19
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	19	0.19
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	11	0.19
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	11	0.19
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	14	0.19
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	14	0.19
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	20	0.19
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	20	0.19
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	9	0.19
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	10	0.19
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	14	0.19
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	14	0.19
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1689)	1:205:A:SER:HB2	1:207:A:ASP:H	10	0.19
(1,1689)	1:205:A:SER:HB3	1:207:A:ASP:H	10	0.19
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	8	0.19
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	8	0.19
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	10	0.19
(1,1633)	1:19:A:LEU:HB2	1:20:A:LYS:H	16	0.19
(1,1622)	1:16:A:GLN:HG2	1:17:A:ASP:H	20	0.19
(1,1622)	1:16:A:GLN:HG3	1:17:A:ASP:H	20	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	16	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	16	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	16	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	16	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	18	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	18	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	18	0.19
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	18	0.19
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	19	0.19
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	11	0.19
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	11	0.19
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	11	0.19
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	14	0.19
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	13	0.19
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	15	0.19
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	3	0.19
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	3	0.19
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	20	0.19
(1,1464)	1:160:A:PHE:HD1	1:168:A:GLY:H	13	0.19
(1,1464)	1:160:A:PHE:HD2	1:168:A:GLY:H	13	0.19
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	2	0.19
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	19	0.19
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	7	0.19
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	9	0.19
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	14	0.19
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	8	0.19
(1,1392)	1:91:A:TYR:HB3	1:134:A:ILE:H	9	0.19
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	8	0.19
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	8	0.19
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	8	0.19
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	10	0.19
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	10	0.19
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	15	0.19
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	18	0.19
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	18	0.19
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	3	0.19
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	3	0.19
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	3	0.19
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	16	0.19
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	16	0.19
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	16	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	9	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	9	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	9	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	13	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	13	0.19
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	13	0.19
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	19	0.19
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	4	0.19
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	4	0.19
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	2	0.19
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	2	0.19
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	16	0.19
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	3	0.19
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	16	0.19
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	1	0.19
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	15	0.19
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	5	0.19
(1,1170)	1:233:A:GLY:H	1:234:A:ILE:H	15	0.19
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	6	0.19
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	9	0.19
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	3	0.19
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	13	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	1	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	2	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	3	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	4	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	5	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	7	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	8	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	9	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	10	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	11	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	12	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	14	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	15	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	16	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	17	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	18	0.19
(1,1115)	1:179:A:THR:H	1:180:A:ASP:H	19	0.19
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	7	0.19
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	5	0.19
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	13	0.19
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	1	0.19
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	3	0.19
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	19	0.19
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	10	0.19
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	16	0.19
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	14	0.19
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	6	0.19
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	7	0.19
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	19	0.19
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	9	0.19
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	5	0.19
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	9	0.19
(1,1022)	1:113:A:LEU:H	1:114:A:ASN:H	7	0.19
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	7	0.19
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	17	0.19
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	17	0.19
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	17	0.19
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	16	0.19
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	13	0.19
(1,989)	1:90:A:THR:H	1:133:A:ASP:H	11	0.19
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	7	0.19
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	9	0.19
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	13	0.19
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	14	0.19
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	6	0.19
(1,947)	1:55:A:ASN:H	1:58:A:VAL:H	11	0.19
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	7	0.19
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	9	0.19
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	17	0.19
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	20	0.19
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	3	0.19
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	15	0.19
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	3	0.19
(1,903)	1:21:A:ARG:H	1:23:A:TYR:H	11	0.19
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	9	0.19
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	19	0.19
(1,859)	1:231:A:ILE:H	1:232:A:LYS:HB3	4	0.19
(1,836)	1:202:A:MET:HE1	1:233:A:GLY:HA3	12	0.19
(1,836)	1:202:A:MET:HE2	1:233:A:GLY:HA3	12	0.19
(1,836)	1:202:A:MET:HE3	1:233:A:GLY:HA3	12	0.19
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	12	0.19
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	12	0.19
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	12	0.19
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	6	0.19
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	6	0.19
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	6	0.19
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	6	0.19
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	6	0.19
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	6	0.19
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE1	12	0.19
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE2	12	0.19
(1,787)	1:135:A:MET:HB2	1:135:A:MET:HE3	12	0.19
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE1	12	0.19
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE2	12	0.19
(1,787)	1:135:A:MET:HB3	1:135:A:MET:HE3	12	0.19
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	10	0.19
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	10	0.19
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	6	0.19
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	10	0.19
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	17	0.19
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	17	0.19
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	17	0.19
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	10	0.19
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	6	0.19
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	6	0.19
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	18	0.19
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	18	0.19
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD1	1	0.19
(1,726)	1:97:A:THR:HG21	1:138:A:PHE:HD2	1	0.19
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD1	1	0.19
(1,726)	1:97:A:THR:HG22	1:138:A:PHE:HD2	1	0.19
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD1	1	0.19
(1,726)	1:97:A:THR:HG23	1:138:A:PHE:HD2	1	0.19
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	11	0.19
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	11	0.19
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	11	0.19
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	17	0.19
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	17	0.19
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	17	0.19
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	6	0.19
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	6	0.19
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	6	0.19
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	4	0.19
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	4	0.19
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	4	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	4	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	4	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	4	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	18	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	18	0.19
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	18	0.19
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	8	0.19
(1,585)	1:107:A:ARG:HB3	1:108:A:LEU:H	13	0.19
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	12	0.19
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	12	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	4	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	4	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	4	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	8	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	8	0.19
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	8	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	8	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	8	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	8	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	8	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	8	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	8	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	16	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	16	0.19
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	16	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	16	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	16	0.19
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	16	0.19
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	1	0.19
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	14	0.19
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	14	0.19
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	16	0.19
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	13	0.19
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	13	0.19
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	16	0.19
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	16	0.19
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	18	0.19
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	18	0.19
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	18	0.19
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	18	0.19
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	5	0.19
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	9	0.19
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	9	0.19
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	9	0.19
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	11	0.19
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	11	0.19
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	11	0.19
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	15	0.19
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	15	0.19
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	15	0.19
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	18	0.19
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	5	0.19
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	5	0.19
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	5	0.19
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	7	0.19
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	7	0.19
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	12	0.19
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	12	0.19
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	17	0.19
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	17	0.19
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	5	0.19
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	5	0.19
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	18	0.19
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	18	0.19
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	4	0.19
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	4	0.19
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	4	0.19
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	4	0.19
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	4	0.19
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	4	0.19
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	3	0.19
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	3	0.19
(1,306)	1:42:A:MET:HE1	1:61:A:ILE:HB	14	0.19
(1,306)	1:42:A:MET:HE2	1:61:A:ILE:HB	14	0.19
(1,306)	1:42:A:MET:HE3	1:61:A:ILE:HB	14	0.19
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	4	0.19
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	4	0.19
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	4	0.19
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	20	0.19
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	20	0.19
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	20	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	2	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	2	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	2	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	2	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	2	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	2	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	20	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	20	0.19
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	20	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	20	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	20	0.19
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	20	0.19
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	2	0.19
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	2	0.19
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	2	0.19
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	5	0.19
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	5	0.19
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	7	0.19
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	7	0.19
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	2	0.19
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	2	0.19
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	9	0.19
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	9	0.19
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	20	0.19
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	16	0.19
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	16	0.19
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	2	0.19
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	12	0.18
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	12	0.18
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	8	0.18
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	14	0.18
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	18	0.18
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	7	0.18
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	9	0.18
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	6	0.18
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	16	0.18
(4,30)	2:301:A:CA:CA	1:165:A:GLY:O	4	0.18
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	2	0.18
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	8	0.18
(2,58)	1:135:A:MET:H	1:135:A:MET:HE1	12	0.18
(2,58)	1:135:A:MET:H	1:135:A:MET:HE2	12	0.18
(2,58)	1:135:A:MET:H	1:135:A:MET:HE3	12	0.18
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	5	0.18
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	5	0.18
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	5	0.18
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	15	0.18
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	15	0.18
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	15	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	4	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	4	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	4	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	17	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	17	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	17	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	19	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	19	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	19	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	20	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	20	0.18
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	20	0.18
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG21	17	0.18
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG22	17	0.18
(1,2203)	1:86:A:SER:H	1:89:A:VAL:HG23	17	0.18
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	11	0.18
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	11	0.18
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	11	0.18
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	6	0.18
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	6	0.18
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	6	0.18
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	10	0.18
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	10	0.18
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	12	0.18
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	12	0.18
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	12	0.18
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	2	0.18
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	2	0.18
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	2	0.18
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	2	0.18
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	2	0.18
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	2	0.18
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	7	0.18
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	7	0.18
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	7	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	2	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	2	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	2	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	3	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	3	0.18
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	3	0.18
(1,2042)	1:211:A:VAL:HG21	1:227:A:SER:H	14	0.18
(1,2042)	1:211:A:VAL:HG22	1:227:A:SER:H	14	0.18
(1,2042)	1:211:A:VAL:HG23	1:227:A:SER:H	14	0.18
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	12	0.18
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	12	0.18
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	12	0.18
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	12	0.18
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	12	0.18
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	12	0.18
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	12	0.18
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	12	0.18
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	12	0.18
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	16	0.18
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	16	0.18
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	16	0.18
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG21	10	0.18
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG22	10	0.18
(1,1938)	1:42:A:MET:HE1	1:58:A:VAL:HG23	10	0.18
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG21	10	0.18
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG22	10	0.18
(1,1938)	1:42:A:MET:HE2	1:58:A:VAL:HG23	10	0.18
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG21	10	0.18
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG22	10	0.18
(1,1938)	1:42:A:MET:HE3	1:58:A:VAL:HG23	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	8	0.18
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	8	0.18
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	8	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	10	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	10	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	15	0.18
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	15	0.18
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	15	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	2	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	2	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	2	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	2	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	2	0.18
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	2	0.18
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	2	0.18
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	2	0.18
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	2	0.18
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG21	17	0.18
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG22	17	0.18
(1,1913)	1:43:A:GLN:HE22	1:58:A:VAL:HG23	17	0.18
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	5	0.18
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	5	0.18
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	5	0.18
(1,1873)	1:109:A:VAL:HG21	1:136:A:ILE:HG12	6	0.18
(1,1873)	1:109:A:VAL:HG22	1:136:A:ILE:HG12	6	0.18
(1,1873)	1:109:A:VAL:HG23	1:136:A:ILE:HG12	6	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	4	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	4	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	4	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	19	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	19	0.18
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	19	0.18
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD21	15	0.18
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD22	15	0.18
(1,1804)	1:113:A:LEU:H	1:113:A:LEU:HD23	15	0.18
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	5	0.18
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	5	0.18
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	5	0.18
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	5	0.18
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	5	0.18
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	14	0.18
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	14	0.18
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	14	0.18
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	16	0.18
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	16	0.18
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	16	0.18
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	18	0.18
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	7	0.18
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	5	0.18
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	5	0.18
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	6	0.18
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	6	0.18
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	5	0.18
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	5	0.18
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	5	0.18
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	5	0.18
(1,1755)	1:139:A:ALA:H	1:173:A:ASP:HA	13	0.18
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	10	0.18
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	10	0.18
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	5	0.18
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	6	0.18
(1,1624)	1:15:A:ALA:HB1	1:18:A:TYR:H	17	0.18
(1,1624)	1:15:A:ALA:HB2	1:18:A:TYR:H	17	0.18
(1,1624)	1:15:A:ALA:HB3	1:18:A:TYR:H	17	0.18
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	15	0.18
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	7	0.18
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	7	0.18
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	7	0.18
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	7	0.18
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	10	0.18
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	15	0.18
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	2	0.18
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	8	0.18
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	10	0.18
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	3	0.18
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	3	0.18
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	18	0.18
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	18	0.18
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	1	0.18
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	7	0.18
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	7	0.18
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1554)	1:161:A:ALA:HA	1:201:A:GLY:H	7	0.18
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	1	0.18
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	3	0.18
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	5	0.18
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	10	0.18
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	3	0.18
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	14	0.18
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	17	0.18
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	17	0.18
(1,1506)	1:20:A:LYS:HG2	1:21:A:ARG:H	17	0.18
(1,1506)	1:20:A:LYS:HG3	1:21:A:ARG:H	17	0.18
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	6	0.18
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	6	0.18
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	4	0.18
(1,1420)	1:143:A:HIS:H	1:143:A:HIS:HD1	19	0.18
(1,1405)	1:136:A:ILE:HB	1:137:A:GLY:H	6	0.18
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	5	0.18
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	5	0.18
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	5	0.18
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	9	0.18
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	9	0.18
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	9	0.18
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	8	0.18
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	9	0.18
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	15	0.18
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	12	0.18
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	15	0.18
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	17	0.18
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	6	0.18
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	6	0.18
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	6	0.18
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	6	0.18
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	6	0.18
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	11	0.18
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	11	0.18
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	2	0.18
(1,1352)	1:121:A:PRO:HB2	1:122:A:LEU:H	2	0.18
(1,1352)	1:121:A:PRO:HB3	1:122:A:LEU:H	2	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	4	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	4	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	4	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	6	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	6	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	11	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	11	0.18
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	11	0.18
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	13	0.18
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	13	0.18
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE2	13	0.18
(1,1337)	1:118:A:LYS:H	1:118:A:LYS:HE3	13	0.18
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB2	16	0.18
(1,1295)	1:195:A:ALA:H	1:195:A:ALA:HB3	16	0.18
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	15	0.18
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	15	0.18
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	15	0.18
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	1	0.18
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	10	0.18
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	16	0.18
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	17	0.18
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	12	0.18
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	12	0.18
(1,1239)	1:91:A:TYR:HD1	1:92:A:ARG:H	14	0.18
(1,1239)	1:91:A:TYR:HD2	1:92:A:ARG:H	14	0.18
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	5	0.18
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	19	0.18
(1,1224)	1:89:A:VAL:H	1:123:A:HIS:HD2	20	0.18
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	5	0.18
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	7	0.18
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	1	0.18
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	15	0.18
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	1	0.18
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	9	0.18
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	19	0.18
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	19	0.18
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	19	0.18
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	19	0.18
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	4	0.18
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	9	0.18
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	16	0.18
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	19	0.18
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	1	0.18
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	1	0.18
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	12	0.18
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	12	0.18
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	12	0.18
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	13	0.18
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	13	0.18
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	13	0.18
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	16	0.18
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	12	0.18
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	2	0.18
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	3	0.18
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	7	0.18
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	2	0.18
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	19	0.18
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	20	0.18
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	11	0.18
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	20	0.18
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	8	0.18
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	3	0.18
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	19	0.18
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	2	0.18
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	4	0.18
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	15	0.18
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	2	0.18
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	7	0.18
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	8	0.18
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	18	0.18
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	20	0.18
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	1	0.18
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	1	0.18
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	1	0.18
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	3	0.18
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	3	0.18
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	4	0.18
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	20	0.18
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	20	0.18
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	20	0.18
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	20	0.18
(1,982)	1:77:A:LEU:H	1:78:A:PHE:H	19	0.18
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	8	0.18
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	16	0.18
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	17	0.18
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	6	0.18
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	18	0.18
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	19	0.18
(1,940)	1:47:A:GLY:H	1:48:A:LEU:H	4	0.18
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	8	0.18
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	13	0.18
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	5	0.18
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	9	0.18
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	9	0.18
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	10	0.18
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	9	0.18
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	11	0.18
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	14	0.18
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	18	0.18
(1,911)	1:36:A:GLU:H	1:37:A:ALA:H	15	0.18
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE21	19	0.18
(1,905)	1:11:A:GLN:H	1:11:A:GLN:HE22	19	0.18
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	13	0.18
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD11	17	0.18
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD12	17	0.18
(1,888)	1:15:A:ALA:H	1:59:A:ILE:HD13	17	0.18
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	3	0.18
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	20	0.18
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	20	0.18
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	9	0.18
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	9	0.18
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	9	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	15	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	15	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	15	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	18	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	18	0.18
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	18	0.18
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	14	0.18
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	14	0.18
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	14	0.18
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	18	0.18
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	18	0.18
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	18	0.18
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	2	0.18
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	2	0.18
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	4	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	4	0.18
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	12	0.18
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	12	0.18
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	16	0.18
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	16	0.18
(1,768)	1:123:A:HIS:HB2	1:124:A:PHE:H	20	0.18
(1,768)	1:123:A:HIS:HB3	1:124:A:PHE:H	20	0.18
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	15	0.18
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	11	0.18
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	11	0.18
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	11	0.18
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	9	0.18
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	11	0.18
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	19	0.18
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	10	0.18
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	10	0.18
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	19	0.18
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	19	0.18
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	7	0.18
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	7	0.18
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	6	0.18
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	3	0.18
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	3	0.18
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	3	0.18
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	3	0.18
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	9	0.18
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	9	0.18
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	9	0.18
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	16	0.18
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	16	0.18
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	9	0.18
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	19	0.18
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	20	0.18
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	15	0.18
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	15	0.18
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	8	0.18
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	8	0.18
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	8	0.18
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	14	0.18
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	14	0.18
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	14	0.18
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	18	0.18
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	18	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	7	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	7	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	7	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	17	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	17	0.18
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	17	0.18
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE1	5	0.18
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE2	5	0.18
(1,527)	1:112:A:ALA:HA	1:115:A:MET:HE3	5	0.18
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	5	0.18
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	5	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	18	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	18	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	18	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	19	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	19	0.18
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	19	0.18
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	12	0.18
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	14	0.18
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	14	0.18
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	16	0.18
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	4	0.18
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	4	0.18
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	4	0.18
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	13	0.18
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	13	0.18
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	13	0.18
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	2	0.18
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	8	0.18
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	20	0.18
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	4	0.18
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	4	0.18
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	4	0.18
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	4	0.18
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	7	0.18
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG12	8	0.18
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG13	8	0.18
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	3	0.18
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	3	0.18
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	3	0.18
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	3	0.18
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	3	0.18
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	4	0.18
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	4	0.18
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	11	0.18
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	11	0.18
(1,372)	1:200:A:LEU:HB2	1:202:A:MET:HA	19	0.18
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	14	0.18
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	14	0.18
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	14	0.18
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	15	0.18
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	15	0.18
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	15	0.18
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	5	0.18
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	5	0.18
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	5	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	10	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	10	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	10	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	18	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	18	0.18
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	18	0.18
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	12	0.18
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	12	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	5	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	5	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	5	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	5	0.18
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	5	0.18
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	5	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	11	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	11	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	11	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	11	0.18
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	11	0.18
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	11	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD1	18	0.18
(1,202)	1:42:A:MET:HE1	1:46:A:PHE:HD2	18	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD1	18	0.18
(1,202)	1:42:A:MET:HE2	1:46:A:PHE:HD2	18	0.18
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:42:A:MET:HE3	1:46:A:PHE:HD2	18	0.18
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	14	0.18
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	14	0.18
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	14	0.18
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	14	0.18
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	14	0.18
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	14	0.18
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	16	0.18
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	16	0.18
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	16	0.18
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	4	0.18
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	4	0.18
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	4	0.18
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	4	0.18
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	4	0.18
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	4	0.18
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	5	0.18
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	5	0.18
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	5	0.18
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	9	0.18
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	9	0.18
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	9	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	9	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	9	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	10	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	10	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	13	0.18
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	13	0.18
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	16	0.18
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	16	0.18
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	2	0.18
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	12	0.18
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	12	0.18
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	10	0.18
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	18	0.18
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	5	0.18
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	5	0.18
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG2	5	0.18
(1,81)	1:44:A:LYS:HA	1:44:A:LYS:HG3	5	0.18
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	2	0.18
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	2	0.18
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	14	0.18
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	14	0.18
(1,63)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	14	0.18
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	4	0.18
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	4	0.18
(1,13)	1:25:A:TYR:HD1	1:26:A:ASP:HA	13	0.18
(1,13)	1:25:A:TYR:HD2	1:26:A:ASP:HA	13	0.18
(4,45)	3:304:A:ZN:ZN	1:198:A:HIS:CG	20	0.17
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	9	0.17
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	13	0.17
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	18	0.17
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	7	0.17
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	8	0.17
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	17	0.17
(4,35)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	12	0.17
(4,16)	3:303:A:ZN:ZN	1:145:A:ASP:OD2	3	0.17
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	4	0.17
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	9	0.17
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	10	0.17
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	6	0.17
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	9	0.17
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	17	0.17
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	17	0.17
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	17	0.17
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	13	0.17
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	13	0.17
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	13	0.17
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	14	0.17
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	14	0.17
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	14	0.17
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	1	0.17
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	1	0.17
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	1	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	1	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	1	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	1	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	3	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	3	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	3	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	8	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	8	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	11	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	11	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	11	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	13	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	13	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	13	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	14	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	14	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	14	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	15	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	15	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	15	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	16	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	16	0.17
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	16	0.17
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	10	0.17
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	10	0.17
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	10	0.17
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	1	0.17
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	1	0.17
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	1	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	5	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	5	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	5	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	8	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	8	0.17
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	8	0.17
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	5	0.17
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	5	0.17
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	5	0.17
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	20	0.17
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	20	0.17
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	20	0.17
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD11	17	0.17
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD12	17	0.17
(1,2044)	1:54:A:LEU:HD21	1:59:A:ILE:HD13	17	0.17
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD11	17	0.17
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD12	17	0.17
(1,2044)	1:54:A:LEU:HD22	1:59:A:ILE:HD13	17	0.17
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD11	17	0.17
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD12	17	0.17
(1,2044)	1:54:A:LEU:HD23	1:59:A:ILE:HD13	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	5	0.17
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	5	0.17
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	5	0.17
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	5	0.17
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	5	0.17
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	5	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	6	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	6	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	12	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	12	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	13	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	13	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	17	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	17	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	18	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	18	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	19	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	19	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD11	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD12	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD13	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD11	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD12	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD13	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD21	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD22	20	0.17
(1,1927)	1:111:A:LYS:HE2	1:189:A:LEU:HD23	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD21	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD22	20	0.17
(1,1927)	1:111:A:LYS:HE3	1:189:A:LEU:HD23	20	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	14	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	14	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	14	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	20	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	20	0.17
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	20	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	9	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	9	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	9	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	9	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	9	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	9	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	9	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	9	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	9	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	18	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	18	0.17
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	18	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	18	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	18	0.17
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	18	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	18	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	18	0.17
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	18	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	1	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	1	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	1	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	1	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	1	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	1	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	1	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	1	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	1	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	12	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	12	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	12	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	12	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	12	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	12	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	12	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	12	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	17	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	17	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	17	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	17	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	17	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	17	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	17	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	17	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	17	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	18	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	18	0.17
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	18	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	18	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	18	0.17
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	18	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	18	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	18	0.17
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	18	0.17
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	9	0.17
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	9	0.17
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	9	0.17
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	9	0.17
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	9	0.17
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	9	0.17
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	9	0.17
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	2	0.17
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	2	0.17
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	7	0.17
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	7	0.17
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	12	0.17
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	20	0.17
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	20	0.17
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	20	0.17
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	20	0.17
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	16	0.17
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	16	0.17
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	7	0.17
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	15	0.17
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	3	0.17
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	3	0.17
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	3	0.17
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	15	0.17
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	15	0.17
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	2	0.17
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	2	0.17
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	2	0.17
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	2	0.17
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	15	0.17
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	15	0.17
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	15	0.17
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	20	0.17
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	20	0.17
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	20	0.17
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	15	0.17
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	15	0.17
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	15	0.17
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	15	0.17
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	1	0.17
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	15	0.17
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	15	0.17
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	6	0.17
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	6	0.17
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	6	0.17
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	19	0.17
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	1	0.17
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	5	0.17
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	11	0.17
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	2	0.17
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	3	0.17
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	11	0.17
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	14	0.17
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	12	0.17
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	12	0.17
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	9	0.17
(1,1500)	1:178:A:TRP:HE3	1:179:A:THR:H	13	0.17
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	17	0.17
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	17	0.17
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	17	0.17
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	9	0.17
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	1	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	1	0.17
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	1	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	1	0.17
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	15	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	15	0.17
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	15	0.17
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	15	0.17
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	3	0.17
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	3	0.17
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	3	0.17
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	3	0.17
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	15	0.17
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	15	0.17
(1,1407)	1:137:A:GLY:H	1:172:A:PHE:HD1	8	0.17
(1,1407)	1:137:A:GLY:H	1:172:A:PHE:HD2	8	0.17
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	17	0.17
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	17	0.17
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	17	0.17
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	18	0.17
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	18	0.17
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	18	0.17
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	10	0.17
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	10	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	9	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	9	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	9	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	9	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	19	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	19	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	19	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	19	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	20	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	20	0.17
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	20	0.17
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	6	0.17
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	20	0.17
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	4	0.17
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	4	0.17
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	6	0.17
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	6	0.17
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	3	0.17
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	7	0.17
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	16	0.17
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	4	0.17
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	5	0.17
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	5	0.17
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	5	0.17
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	5	0.17
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	8	0.17
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	8	0.17
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	8	0.17
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	2	0.17
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	8	0.17
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	1	0.17
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	2	0.17
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	19	0.17
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	19	0.17
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	15	0.17
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	15	0.17
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	18	0.17
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	10	0.17
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	10	0.17
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	10	0.17
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	5	0.17
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	7	0.17
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	11	0.17
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	13	0.17
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	8	0.17
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	8	0.17
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	19	0.17
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	5	0.17
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	5	0.17
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	5	0.17
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	5	0.17
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	1	0.17
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	5	0.17
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	18	0.17
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	6	0.17
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	9	0.17
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	18	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	7	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	9	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	10	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	14	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	15	0.17
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	17	0.17
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	18	0.17
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	3	0.17
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	14	0.17
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	10	0.17
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	17	0.17
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	19	0.17
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	20	0.17
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	16	0.17
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	19	0.17
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	7	0.17
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	13	0.17
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	13	0.17
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	13	0.17
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	2	0.17
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	15	0.17
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	1	0.17
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	2	0.17
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	3	0.17
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	8	0.17
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	10	0.17
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	10	0.17
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	14	0.17
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	11	0.17
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	14	0.17
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	19	0.17
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	3	0.17
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	3	0.17
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	11	0.17
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	18	0.17
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	18	0.17
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	11	0.17
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB2	7	0.17
(1,864)	1:37:A:ALA:HB1	1:40:A:LYS:HB3	7	0.17
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB2	7	0.17
(1,864)	1:37:A:ALA:HB2	1:40:A:LYS:HB3	7	0.17
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB2	7	0.17
(1,864)	1:37:A:ALA:HB3	1:40:A:LYS:HB3	7	0.17
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	2	0.17
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	2	0.17
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	12	0.17
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	12	0.17
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	11	0.17
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	11	0.17
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	7	0.17
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	7	0.17
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	7	0.17
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	7	0.17
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	7	0.17
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	7	0.17
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	9	0.17
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	9	0.17
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	9	0.17
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	12	0.17
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	12	0.17
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	12	0.17
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	15	0.17
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	15	0.17
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	15	0.17
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA2	3	0.17
(1,826)	1:116:A:TRP:HZ2	1:197:A:GLY:HA3	3	0.17
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	10	0.17
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	10	0.17
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	10	0.17
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	10	0.17
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	10	0.17
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	10	0.17
(1,812)	1:178:A:TRP:HE3	1:188:A:PHE:HB2	1	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	3	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	3	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	6	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	6	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	6	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	9	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	9	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	9	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	16	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	16	0.17
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	16	0.17
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	20	0.17
(1,744)	1:111:A:LYS:HG2	1:112:A:ALA:H	13	0.17
(1,744)	1:111:A:LYS:HG3	1:112:A:ALA:H	13	0.17
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	20	0.17
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	20	0.17
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	20	0.17
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	18	0.17
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	18	0.17
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	18	0.17
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	16	0.17
(1,704)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	16	0.17
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG2	17	0.17
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG3	17	0.17
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB2	4	0.17
(1,663)	1:50:A:ILE:HD11	1:57:A:ARG:HB3	4	0.17
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB2	4	0.17
(1,663)	1:50:A:ILE:HD12	1:57:A:ARG:HB3	4	0.17
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB2	4	0.17
(1,663)	1:50:A:ILE:HD13	1:57:A:ARG:HB3	4	0.17
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	4	0.17
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	4	0.17
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	4	0.17
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	4	0.17
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	1	0.17
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	1	0.17
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	1	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	3	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	3	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	3	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	7	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	7	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	7	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	9	0.17
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	9	0.17
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	16	0.17
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	16	0.17
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	16	0.17
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	19	0.17
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	19	0.17
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	19	0.17
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	1	0.17
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	1	0.17
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	1	0.17
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG2	6	0.17
(1,559)	1:82:A:PRO:HD2	1:83:A:LYS:HG3	6	0.17
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	19	0.17
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	19	0.17
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	19	0.17
(1,537)	1:179:A:THR:HB	1:180:A:ASP:H	6	0.17
(1,537)	1:179:A:THR:HB	1:180:A:ASP:H	20	0.17
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	1	0.17
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	8	0.17
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	10	0.17
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE1	1	0.17
(1,499)	1:45:A:PHE:HA	1:45:A:PHE:HE2	1	0.17
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	17	0.17
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	17	0.17
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD1	20	0.17
(1,497)	1:237:A:LEU:H	1:238:A:TYR:HD2	20	0.17
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA2	5	0.17
(1,491)	1:79:A:PRO:HD2	1:163:A:GLY:HA3	5	0.17
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA2	5	0.17
(1,491)	1:79:A:PRO:HD3	1:163:A:GLY:HA3	5	0.17
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	6	0.17
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	6	0.17
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	6	0.17
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	7	0.17
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	7	0.17
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	7	0.17
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	14	0.17
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	14	0.17
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	14	0.17
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	17	0.17
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	17	0.17
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	2	0.17
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	2	0.17
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	9	0.17
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	9	0.17
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	9	0.17
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	9	0.17
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	1	0.17
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	1	0.17
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	9	0.17
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	9	0.17
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	9	0.17
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	9	0.17
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	13	0.17
(1,363)	1:237:A:LEU:HB2	1:238:A:TYR:H	13	0.17
(1,363)	1:237:A:LEU:HB3	1:238:A:TYR:H	13	0.17
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	18	0.17
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	18	0.17
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	12	0.17
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	12	0.17
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	12	0.17
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	4	0.17
(1,308)	1:61:A:ILE:HB	1:62:A:MET:H	18	0.17
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	2	0.17
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	2	0.17
(1,305)	1:23:A:TYR:HB2	1:24:A:LEU:HG	9	0.17
(1,305)	1:23:A:TYR:HB3	1:24:A:LEU:HG	9	0.17
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	13	0.17
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	18	0.17
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	18	0.17
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	18	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	16	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	16	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	16	0.17
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	16	0.17
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	16	0.17
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	16	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	16	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	16	0.17
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	16	0.17
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	16	0.17
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	16	0.17
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	20	0.17
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	20	0.17
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	20	0.17
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	11	0.17
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	11	0.17
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	11	0.17
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	11	0.17
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	11	0.17
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	11	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	9	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	9	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	9	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	12	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	12	0.17
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	12	0.17
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	4	0.17
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	4	0.17
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	4	0.17
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	4	0.17
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB2	10	0.17
(1,143)	1:25:A:TYR:HE1	1:27:A:SER:HB3	10	0.17
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB2	10	0.17
(1,143)	1:25:A:TYR:HE2	1:27:A:SER:HB3	10	0.17
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	6	0.17
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	8	0.17
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	19	0.17
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	14	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	3	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	3	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	5	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	5	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	8	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	8	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	10	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	10	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	14	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	14	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	20	0.17
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	20	0.17
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	9	0.17
(1,72)	1:16:A:GLN:HA	1:19:A:LEU:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	3	0.17
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	3	0.17
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	3	0.17
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	1	0.16
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	3	0.16
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	6	0.16
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	11	0.16
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	3	0.16
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	2	0.16
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	3	0.16
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	9	0.16
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	20	0.16
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	6	0.16
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	12	0.16
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	14	0.16
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	20	0.16
(4,10)	2:302:A:CA:CA	1:150:A:ASP:OD1	16	0.16
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	1	0.16
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	7	0.16
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	7	0.16
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	7	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	6	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	6	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	6	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	9	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	9	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	9	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG21	10	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG22	10	0.16
(1,2209)	1:104:A:THR:H	1:105:A:VAL:HG23	10	0.16
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	19	0.16
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	19	0.16
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	19	0.16
(1,2172)	1:104:A:THR:H	1:105:A:VAL:HG21	7	0.16
(1,2172)	1:104:A:THR:H	1:105:A:VAL:HG22	7	0.16
(1,2172)	1:104:A:THR:H	1:105:A:VAL:HG23	7	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	1	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	1	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	1	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	7	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	7	0.16
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	9	0.16
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	9	0.16
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	9	0.16
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	12	0.16
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	12	0.16
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	12	0.16
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	12	0.16
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	12	0.16
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	12	0.16
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	20	0.16
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	20	0.16
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	20	0.16
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	20	0.16
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	20	0.16
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	20	0.16
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	20	0.16
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	18	0.16
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	18	0.16
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	18	0.16
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	16	0.16
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	16	0.16
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	16	0.16
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	15	0.16
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	15	0.16
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	15	0.16
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	9	0.16
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	9	0.16
(1,2049)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	9	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	14	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	14	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	14	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	15	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	15	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	15	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	20	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	20	0.16
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	4	0.16
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	4	0.16
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	4	0.16
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	4	0.16
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	4	0.16
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	4	0.16
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	17	0.16
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	17	0.16
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	17	0.16
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	19	0.16
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	19	0.16
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	19	0.16
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	10	0.16
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	10	0.16
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	10	0.16
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	7	0.16
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	7	0.16
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	7	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	2	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	2	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	2	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	2	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	2	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	2	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	2	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	2	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	2	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	16	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	16	0.16
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	16	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	16	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	16	0.16
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	16	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	16	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	16	0.16
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	16	0.16
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	14	0.16
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	14	0.16
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	14	0.16
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	14	0.16
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	14	0.16
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	14	0.16
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE1	9	0.16
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE2	9	0.16
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE1	9	0.16
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE2	9	0.16
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE1	9	0.16
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE2	9	0.16
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	20	0.16
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	20	0.16
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	20	0.16
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	1	0.16
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	9	0.16
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	9	0.16
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	9	0.16
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	9	0.16
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	4	0.16
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	4	0.16
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	7	0.16
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	7	0.16
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	7	0.16
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	7	0.16
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	6	0.16
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	6	0.16
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	13	0.16
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	13	0.16
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	13	0.16
(1,1660)	1:38:A:LYS:HA	1:40:A:LYS:H	7	0.16
(1,1660)	1:38:A:LYS:HA	1:40:A:LYS:H	12	0.16
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	6	0.16
(1,1631)	1:18:A:TYR:HB2	1:20:A:LYS:H	1	0.16
(1,1631)	1:18:A:TYR:HB3	1:20:A:LYS:H	1	0.16
(1,1631)	1:18:A:TYR:HB2	1:20:A:LYS:H	2	0.16
(1,1631)	1:18:A:TYR:HB3	1:20:A:LYS:H	2	0.16
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	17	0.16
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	8	0.16
(1,1604)	1:236:A:LYS:H	1:238:A:TYR:H	12	0.16
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	2	0.16
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	2	0.16
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	1	0.16
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	1	0.16
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	1	0.16
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	14	0.16
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	14	0.16
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	14	0.16
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	17	0.16
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	4	0.16
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	6	0.16
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	16	0.16
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	20	0.16
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	2	0.16
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	12	0.16
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	16	0.16
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	19	0.16
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	20	0.16
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	9	0.16
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	9	0.16
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	7	0.16
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	5	0.16
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	6	0.16
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	11	0.16
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	16	0.16
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	16	0.16
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	16	0.16
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	1	0.16
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	1	0.16
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	3	0.16
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	3	0.16
(1,1455)	1:160:A:PHE:HD1	1:161:A:ALA:H	15	0.16
(1,1455)	1:160:A:PHE:HD2	1:161:A:ALA:H	15	0.16
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD1	15	0.16
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD2	15	0.16
(1,1447)	1:158:A:HIS:H	1:158:A:HIS:HE1	13	0.16
(1,1447)	1:158:A:HIS:H	1:158:A:HIS:HE1	19	0.16
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	8	0.16
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	8	0.16
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	19	0.16
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	9	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	9	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	9	0.16
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	11	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	11	0.16
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	11	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	11	0.16
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	16	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	16	0.16
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	16	0.16
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	16	0.16
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	1	0.16
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	1	0.16
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	19	0.16
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	19	0.16
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	19	0.16
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	11	0.16
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	14	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	11	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	11	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	11	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	11	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	17	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	17	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	17	0.16
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	17	0.16
(1,1376)	1:127:A:VAL:H	1:128:A:VAL:H	19	0.16
(1,1370)	1:125:A:ARG:HE	1:126:A:LYS:H	9	0.16
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	18	0.16
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	18	0.16
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	16	0.16
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	16	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	1	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	1	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	1	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	10	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	10	0.16
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	10	0.16
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	13	0.16
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	15	0.16
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	18	0.16
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	15	0.16
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	2	0.16
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	8	0.16
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	4	0.16
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	4	0.16
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	4	0.16
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	18	0.16
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	18	0.16
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	20	0.16
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	20	0.16
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	19	0.16
(1,1208)	1:83:A:LYS:HG2	1:84:A:TRP:H	13	0.16
(1,1208)	1:83:A:LYS:HG3	1:84:A:TRP:H	13	0.16
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	10	0.16
(1,1177)	1:236:A:LYS:H	1:238:A:TYR:H	11	0.16
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	13	0.16
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	13	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	2	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	5	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	8	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	12	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	16	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	17	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	18	0.16
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	20	0.16
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	18	0.16
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD21	18	0.16
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	18	0.16
(1,1146)	1:209:A:ASN:H	1:209:A:ASN:HD22	18	0.16
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	12	0.16
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	1	0.16
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	6	0.16
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	20	0.16
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	18	0.16
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	11	0.16
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	6	0.16
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	16	0.16
(1,1107)	1:176:A:GLU:H	1:177:A:ARG:H	3	0.16
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	3	0.16
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	20	0.16
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	1	0.16
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	14	0.16
(1,1082)	1:158:A:HIS:H	1:159:A:ALA:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	4	0.16
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	11	0.16
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	16	0.16
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	4	0.16
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	12	0.16
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	16	0.16
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	18	0.16
(1,1060)	1:92:A:ARG:H	1:136:A:ILE:H	19	0.16
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	1	0.16
(1,1026)	1:116:A:TRP:H	1:117:A:GLY:H	7	0.16
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	3	0.16
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	6	0.16
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	14	0.16
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	15	0.16
(1,1024)	1:115:A:MET:H	1:116:A:TRP:H	11	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	1	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	4	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	6	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	8	0.16
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	15	0.16
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	1	0.16
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	16	0.16
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	16	0.16
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	18	0.16
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	6	0.16
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	2	0.16
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	9	0.16
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	15	0.16
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	3	0.16
(1,947)	1:55:A:ASN:H	1:58:A:VAL:H	14	0.16
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	5	0.16
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	12	0.16
(1,945)	1:52:A:GLY:H	1:53:A:MET:H	13	0.16
(1,930)	1:43:A:GLN:H	1:45:A:PHE:H	5	0.16
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	10	0.16
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	10	0.16
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	10	0.16
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	1	0.16
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	6	0.16
(1,915)	1:36:A:GLU:H	1:37:A:ALA:H	15	0.16
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	5	0.16
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	19	0.16
(1,884)	1:13:A:GLU:H	1:14:A:GLN:H	17	0.16
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	4	0.16
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	7	0.16
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	20	0.16
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	20	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	2	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	2	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	4	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	4	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	8	0.16
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	8	0.16
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE1	20	0.16
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE2	20	0.16
(1,833)	1:116:A:TRP:HE3	1:202:A:MET:HE3	20	0.16
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG21	14	0.16
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG22	14	0.16
(1,800)	1:154:A:ASN:HD21	1:155:A:THR:HG23	14	0.16
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG21	14	0.16
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG22	14	0.16
(1,800)	1:154:A:ASN:HD22	1:155:A:THR:HG23	14	0.16
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	2	0.16
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	2	0.16
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	2	0.16
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	7	0.16
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	7	0.16
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	16	0.16
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	16	0.16
(1,764)	1:122:A:LEU:H	1:122:A:LEU:HB3	5	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	9	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	9	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	9	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	10	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	10	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	10	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	20	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	20	0.16
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	20	0.16
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	17	0.16
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	17	0.16
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	17	0.16
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE1	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE2	18	0.16
(1,750)	1:112:A:ALA:HA	1:115:A:MET:HE3	18	0.16
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	1	0.16
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	9	0.16
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	10	0.16
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	10	0.16
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	3	0.16
(1,700)	1:77:A:LEU:HA	1:77:A:LEU:HG	14	0.16
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	16	0.16
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	16	0.16
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	16	0.16
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	16	0.16
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	7	0.16
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	7	0.16
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	7	0.16
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	4	0.16
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	4	0.16
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	4	0.16
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	7	0.16
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	7	0.16
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	7	0.16
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	12	0.16
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	12	0.16
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	12	0.16
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	14	0.16
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	14	0.16
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD1	14	0.16
(1,570)	1:83:A:LYS:HD2	1:238:A:TYR:HD2	14	0.16
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD1	14	0.16
(1,570)	1:83:A:LYS:HD3	1:238:A:TYR:HD2	14	0.16
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	13	0.16
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	13	0.16
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	13	0.16
(1,479)	1:196:A:LEU:H	1:196:A:LEU:HG	4	0.16
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	20	0.16
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	20	0.16
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	20	0.16
(1,472)	1:225:A:LYS:HB2	1:226:A:LEU:HA	4	0.16
(1,472)	1:225:A:LYS:HB3	1:226:A:LEU:HA	4	0.16
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	5	0.16
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	5	0.16
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD11	9	0.16
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD12	9	0.16
(1,454)	1:116:A:TRP:HZ3	1:234:A:ILE:HD13	9	0.16
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	2	0.16
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	17	0.16
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	17	0.16
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD2	3	0.16
(1,329)	1:120:A:ILE:HB	1:121:A:PRO:HD3	3	0.16
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	3	0.16
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	3	0.16
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	3	0.16
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	3	0.16
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	3	0.16
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	3	0.16
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	11	0.16
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	11	0.16
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD1	13	0.16
(1,288)	1:113:A:LEU:HG	1:124:A:PHE:HD2	13	0.16
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	13	0.16
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	13	0.16
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	2	0.16
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB2	2	0.16
(1,250)	1:41:A:GLU:H	1:41:A:GLU:HB3	2	0.16
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	15	0.16
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	15	0.16
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	15	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	12	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	12	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	12	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	12	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	12	0.16
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	12	0.16
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	12	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	10	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	10	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	10	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	14	0.16
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	14	0.16
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	11	0.16
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	12	0.16
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	6	0.16
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	6	0.16
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	17	0.16
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	17	0.16
(1,50)	1:45:A:PHE:HE1	1:214:A:PRO:HG2	16	0.16
(1,50)	1:45:A:PHE:HE2	1:214:A:PRO:HG2	16	0.16
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	19	0.16
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	19	0.16
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	19	0.16
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	7	0.16
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	7	0.16
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	3	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	4	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	5	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	7	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	15	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	20	0.15
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	7	0.15
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	8	0.15
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	16	0.15
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	1	0.15
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	1	0.15
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	15	0.15
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	2	0.15
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	9	0.15
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	20	0.15
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	2	0.15
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	17	0.15
(4,28)	2:301:A:CA:CA	1:169:A:ASP:OD1	15	0.15
(4,9)	2:302:A:CA:CA	1:151:A:GLY:O	9	0.15
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	4	0.15
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	10	0.15
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	6	0.15
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	6	0.15
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	6	0.15
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	8	0.15
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	8	0.15
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	6	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	13	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	13	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	13	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	13	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	13	0.15
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	13	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	12	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	12	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	12	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	18	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	18	0.15
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	18	0.15
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB2	20	0.15
(1,2133)	1:108:A:LEU:HD21	1:180:A:ASP:HB3	20	0.15
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB2	20	0.15
(1,2133)	1:108:A:LEU:HD22	1:180:A:ASP:HB3	20	0.15
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB2	20	0.15
(1,2133)	1:108:A:LEU:HD23	1:180:A:ASP:HB3	20	0.15
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD21	1:124:A:PHE:HD2	18	0.15
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD22	1:124:A:PHE:HD2	18	0.15
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD23	1:124:A:PHE:HD2	18	0.15
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD11	1:124:A:PHE:HD2	18	0.15
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD12	1:124:A:PHE:HD2	18	0.15
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD1	18	0.15
(1,2107)	1:113:A:LEU:HD13	1:124:A:PHE:HD2	18	0.15
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	12	0.15
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	12	0.15
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	12	0.15
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG21	7	0.15
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG22	7	0.15
(1,2079)	1:88:A:VAL:H	1:89:A:VAL:HG23	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	1	0.15
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	1	0.15
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	1	0.15
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG11	1:133:A:ASP:HB3	1	0.15
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG12	1:133:A:ASP:HB3	1	0.15
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB2	1	0.15
(1,2075)	1:89:A:VAL:HG13	1:133:A:ASP:HB3	1	0.15
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG11	14	0.15
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG12	14	0.15
(1,2069)	1:72:A:VAL:H	1:72:A:VAL:HG13	14	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	15	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	15	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	15	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	15	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	15	0.15
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	15	0.15
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	13	0.15
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	13	0.15
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	13	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	6	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	6	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	6	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	16	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	16	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	16	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	18	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	18	0.15
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	18	0.15
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	1	0.15
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	1	0.15
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	1	0.15
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	13	0.15
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	13	0.15
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	13	0.15
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG21	10	0.15
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG22	10	0.15
(1,1958)	1:42:A:MET:HE1	1:58:A:VAL:HG23	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG21	10	0.15
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG22	10	0.15
(1,1958)	1:42:A:MET:HE2	1:58:A:VAL:HG23	10	0.15
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG21	10	0.15
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG22	10	0.15
(1,1958)	1:42:A:MET:HE3	1:58:A:VAL:HG23	10	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	12	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	12	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	12	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	18	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	18	0.15
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	18	0.15
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	15	0.15
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	15	0.15
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	15	0.15
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	18	0.15
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	18	0.15
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	18	0.15
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	18	0.15
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	18	0.15
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	18	0.15
(1,1785)	1:42:A:MET:HB2	1:43:A:GLN:H	14	0.15
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	8	0.15
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	8	0.15
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	13	0.15
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	13	0.15
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	9	0.15
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	9	0.15
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	1	0.15
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	1	0.15
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	4	0.15
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB1	16	0.15
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB2	16	0.15
(1,1724)	1:72:A:VAL:H	1:73:A:ALA:HB3	16	0.15
(1,1681)	1:44:A:LYS:HG2	1:45:A:PHE:H	17	0.15
(1,1681)	1:44:A:LYS:HG3	1:45:A:PHE:H	17	0.15
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	15	0.15
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	19	0.15
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	7	0.15
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	17	0.15
(1,1612)	1:120:A:ILE:HG21	1:238:A:TYR:H	5	0.15
(1,1612)	1:120:A:ILE:HG22	1:238:A:TYR:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:120:A:ILE:HG23	1:238:A:TYR:H	5	0.15
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	9	0.15
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	9	0.15
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG3	9	0.15
(1,1601)	1:235:A:GLN:H	1:235:A:GLN:HG2	9	0.15
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	8	0.15
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	8	0.15
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	11	0.15
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	11	0.15
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	4	0.15
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	4	0.15
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	6	0.15
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	6	0.15
(1,1564)	1:198:A:HIS:HE1	1:204:A:HIS:H	7	0.15
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	6	0.15
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	15	0.15
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	16	0.15
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	4	0.15
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	5	0.15
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	7	0.15
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	10	0.15
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	9	0.15
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	13	0.15
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	15	0.15
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	1	0.15
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	1	0.15
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	19	0.15
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	19	0.15
(1,1516)	1:179:A:THR:HG21	1:186:A:ILE:H	8	0.15
(1,1516)	1:179:A:THR:HG22	1:186:A:ILE:H	8	0.15
(1,1516)	1:179:A:THR:HG23	1:186:A:ILE:H	8	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	3	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	3	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	3	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	3	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	6	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	6	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	6	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	6	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	12	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	12	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	12	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	13	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	13	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	13	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	13	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	15	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	15	0.15
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	15	0.15
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	15	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	11	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	11	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	11	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	15	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	15	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	15	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	18	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	18	0.15
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	18	0.15
(1,1463)	1:160:A:PHE:HB2	1:168:A:GLY:H	20	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	4	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	4	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	5	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	5	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	7	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	7	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	12	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	12	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	15	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	15	0.15
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	16	0.15
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	16	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	5	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	5	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	7	0.15
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	7	0.15
(1,1440)	1:155:A:THR:HB	1:156:A:LEU:H	13	0.15
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	19	0.15
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	19	0.15
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	19	0.15
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	19	0.15
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	20	0.15
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	20	0.15
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	20	0.15
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD21	8	0.15
(1,1434)	1:154:A:ASN:H	1:154:A:ASN:HD22	8	0.15
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	7	0.15
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	7	0.15
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	7	0.15
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	13	0.15
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	13	0.15
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	13	0.15
(1,1384)	1:92:A:ARG:HD2	1:132:A:ALA:H	17	0.15
(1,1384)	1:92:A:ARG:HD3	1:132:A:ALA:H	17	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	3	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	3	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	3	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	3	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	8	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	8	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	8	0.15
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	8	0.15
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	3	0.15
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	3	0.15
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	15	0.15
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	15	0.15
(1,1355)	1:122:A:LEU:H	1:123:A:HIS:H	5	0.15
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	18	0.15
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	18	0.15
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	18	0.15
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	1	0.15
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	2	0.15
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	4	0.15
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	4	0.15
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	4	0.15
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	15	0.15
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	12	0.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	15	0.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	15	0.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB2	15	0.15
(1,1226)	1:90:A:THR:H	1:133:A:ASP:HB3	15	0.15
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	20	0.15
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	13	0.15
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD11	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD12	3	0.15
(1,1207)	1:84:A:TRP:H	1:234:A:ILE:HD13	3	0.15
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	7	0.15
(1,1176)	1:235:A:GLN:H	1:237:A:LEU:H	7	0.15
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	10	0.15
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	3	0.15
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	3	0.15
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG12	12	0.15
(1,1165)	1:230:A:ASP:H	1:231:A:ILE:HG13	12	0.15
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	4	0.15
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	10	0.15
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	19	0.15
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	14	0.15
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	14	0.15
(1,1151)	1:209:A:ASN:H	1:210:A:ALA:H	11	0.15
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	15	0.15
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	14	0.15
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	12	0.15
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	3	0.15
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	5	0.15
(1,1114)	1:179:A:THR:H	1:188:A:PHE:H	8	0.15
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	16	0.15
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	20	0.15
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	5	0.15
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	14	0.15
(1,1095)	1:139:A:ALA:H	1:172:A:PHE:H	5	0.15
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	1	0.15
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	5	0.15
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	12	0.15
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	14	0.15
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	18	0.15
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	7	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	1	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	2	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	3	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	5	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	8	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	13	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	19	0.15
(1,1066)	1:138:A:PHE:H	1:139:A:ALA:H	20	0.15
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	16	0.15
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	15	0.15
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	4	0.15
(1,1039)	1:120:A:ILE:H	1:122:A:LEU:H	5	0.15
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD11	7	0.15
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD12	7	0.15
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD13	7	0.15
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	5	0.15
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	12	0.15
(1,1025)	1:114:A:ASN:H	1:116:A:TRP:H	19	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	5	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	9	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	10	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	11	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	12	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	16	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	17	0.15
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	18	0.15
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	5	0.15
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	10	0.15
(1,988)	1:89:A:VAL:H	1:90:A:THR:H	8	0.15
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	12	0.15
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	4	0.15
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	7	0.15
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	11	0.15
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG2	7	0.15
(1,926)	1:43:A:GLN:H	1:44:A:LYS:HG3	7	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	8	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	9	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	11	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	14	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	16	0.15
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	20	0.15
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	1	0.15
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	10	0.15
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	20	0.15
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	1	0.15
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	10	0.15
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	20	0.15
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	18	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	12	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	12	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	15	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	15	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	15	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	18	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	18	0.15
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	18	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	2	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	2	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	10	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	10	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	18	0.15
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	18	0.15
(1,761)	1:120:A:ILE:HD11	1:121:A:PRO:HD2	3	0.15
(1,761)	1:120:A:ILE:HD12	1:121:A:PRO:HD2	3	0.15
(1,761)	1:120:A:ILE:HD13	1:121:A:PRO:HD2	3	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	1	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	1	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	1	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	15	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	15	0.15
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	15	0.15
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	5	0.15
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	5	0.15
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	5	0.15
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	5	0.15
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	16	0.15
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	16	0.15
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	16	0.15
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	16	0.15
(1,635)	1:20:A:LYS:HG2	1:21:A:ARG:HA	2	0.15
(1,635)	1:20:A:LYS:HG3	1:21:A:ARG:HA	2	0.15
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	18	0.15
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	18	0.15
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	18	0.15
(1,614)	1:120:A:ILE:HD11	1:122:A:LEU:H	3	0.15
(1,614)	1:120:A:ILE:HD12	1:122:A:LEU:H	3	0.15
(1,614)	1:120:A:ILE:HD13	1:122:A:LEU:H	3	0.15
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	19	0.15
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	19	0.15
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	19	0.15
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	16	0.15
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	8	0.15
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	8	0.15
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	8	0.15
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	8	0.15
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	8	0.15
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB2	8	0.15
(1,475)	1:196:A:LEU:HA	1:199:A:SER:HB3	8	0.15
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	12	0.15
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	12	0.15
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	12	0.15
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	16	0.15
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	16	0.15
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	16	0.15
(1,464)	1:43:A:GLN:HA	1:48:A:LEU:H	12	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	15	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	15	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	15	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG21	15	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG22	15	0.15
(1,441)	1:21:A:ARG:HD2	1:155:A:THR:HG23	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG21	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG22	15	0.15
(1,441)	1:21:A:ARG:HD3	1:155:A:THR:HG23	15	0.15
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE1	12	0.15
(1,437)	1:122:A:LEU:HB2	1:238:A:TYR:HE2	12	0.15
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE1	12	0.15
(1,437)	1:122:A:LEU:HB3	1:238:A:TYR:HE2	12	0.15
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	6	0.15
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	12	0.15
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	12	0.15
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG21	8	0.15
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG22	8	0.15
(1,424)	1:102:A:HIS:HB2	1:103:A:ILE:HG23	8	0.15
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG21	8	0.15
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG22	8	0.15
(1,424)	1:102:A:HIS:HB3	1:103:A:ILE:HG23	8	0.15
(1,352)	1:20:A:LYS:HG2	1:26:A:ASP:H	3	0.15
(1,352)	1:20:A:LYS:HG3	1:26:A:ASP:H	3	0.15
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	17	0.15
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	5	0.15
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	5	0.15
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	5	0.15
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	9	0.15
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	9	0.15
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	9	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	2	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	2	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	3	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	3	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	4	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	4	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	5	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	5	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	6	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	6	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	7	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	7	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	8	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	8	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	9	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	9	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	10	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	10	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	11	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	11	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	12	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	12	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	14	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	14	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	15	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	15	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	16	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	16	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG2	17	0.15
(1,286)	1:236:A:LYS:HA	1:236:A:LYS:HG3	17	0.15
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	18	0.15
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD11	1	0.15
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD12	1	0.15
(1,256)	1:135:A:MET:H	1:136:A:ILE:HD13	1	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	1	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	1	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	1	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	1	0.15
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	1	0.15
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	1	0.15
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	5	0.15
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	5	0.15
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	5	0.15
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	5	0.15
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	5	0.15
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	5	0.15
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	19	0.15
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	19	0.15
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	19	0.15
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	19	0.15
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	19	0.15
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	19	0.15
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG21	17	0.15
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG22	17	0.15
(1,185)	1:42:A:MET:HE1	1:61:A:ILE:HG23	17	0.15
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG21	17	0.15
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG22	17	0.15
(1,185)	1:42:A:MET:HE2	1:61:A:ILE:HG23	17	0.15
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG21	17	0.15
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG22	17	0.15
(1,185)	1:42:A:MET:HE3	1:61:A:ILE:HG23	17	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	2	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	2	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	2	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	7	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	7	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	7	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	8	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	8	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	8	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	15	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	15	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	16	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	16	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	16	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	17	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	17	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	17	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	18	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	18	0.15
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	18	0.15
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	7	0.15
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	7	0.15
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	7	0.15
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	14	0.15
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	14	0.15
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	2	0.15
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	6	0.15
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	13	0.15
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	19	0.15
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	9	0.15
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	9	0.15
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	9	0.15
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	9	0.15
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	9	0.15
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	9	0.15
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	18	0.15
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	18	0.15
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	6	0.15
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	4	0.15
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	4	0.15
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD1	14	0.15
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD2	14	0.15
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	7	0.15
(1,38)	1:172:A:PHE:HB2	1:178:A:TRP:HZ2	7	0.15
(1,38)	1:172:A:PHE:HB3	1:178:A:TRP:HZ2	7	0.15
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	1	0.14
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	6	0.14
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	8	0.14
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	9	0.14
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	10	0.14
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	5	0.14
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	10	0.14
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	14	0.14
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	19	0.14
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	11	0.14
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	4	0.14
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	6	0.14
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	10	0.14
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	1	0.14
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	4	0.14
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	15	0.14
(4,32)	2:302:A:CA:CA	1:176:A:GLU:OE2	11	0.14
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	7	0.14
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	17	0.14
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	4	0.14
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	4	0.14
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	4	0.14
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	11	0.14
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	11	0.14
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	11	0.14
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	4	0.14
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	4	0.14
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	4	0.14
(1,2194)	1:196:A:LEU:HD11	1:197:A:GLY:H	17	0.14
(1,2194)	1:196:A:LEU:HD12	1:197:A:GLY:H	17	0.14
(1,2194)	1:196:A:LEU:HD13	1:197:A:GLY:H	17	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD11	5	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD12	5	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD13	5	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD21	5	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD22	5	0.14
(1,2188)	1:10:A:LEU:H	1:10:A:LEU:HD23	5	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	5	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	5	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	5	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	8	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	8	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	8	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	13	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	13	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	13	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	17	0.14
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	17	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	2	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	2	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	2	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	10	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	10	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	10	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	16	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	16	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	16	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	19	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	19	0.14
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	19	0.14
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	5	0.14
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	5	0.14
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	5	0.14
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD1	14	0.14
(1,2078)	1:89:A:VAL:HG11	1:124:A:PHE:HD2	14	0.14
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD1	14	0.14
(1,2078)	1:89:A:VAL:HG12	1:124:A:PHE:HD2	14	0.14
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD1	14	0.14
(1,2078)	1:89:A:VAL:HG13	1:124:A:PHE:HD2	14	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	8	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	8	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	8	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	12	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	12	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	12	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	13	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	13	0.14
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	13	0.14
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	4	0.14
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	4	0.14
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	4	0.14
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD21	2	0.14
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD22	2	0.14
(1,2032)	1:120:A:ILE:HD11	1:200:A:LEU:HD23	2	0.14
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD21	2	0.14
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD22	2	0.14
(1,2032)	1:120:A:ILE:HD12	1:200:A:LEU:HD23	2	0.14
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD21	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD22	2	0.14
(1,2032)	1:120:A:ILE:HD13	1:200:A:LEU:HD23	2	0.14
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	14	0.14
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	14	0.14
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	14	0.14
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	14	0.14
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	14	0.14
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	14	0.14
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	5	0.14
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	5	0.14
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	5	0.14
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD1	8	0.14
(1,1871)	1:89:A:VAL:HG21	1:124:A:PHE:HD2	8	0.14
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD1	8	0.14
(1,1871)	1:89:A:VAL:HG22	1:124:A:PHE:HD2	8	0.14
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD1	8	0.14
(1,1871)	1:89:A:VAL:HG23	1:124:A:PHE:HD2	8	0.14
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	14	0.14
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	14	0.14
(1,1869)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	14	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	2	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	2	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	2	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	2	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	2	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	2	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	2	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	2	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	2	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD11	20	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD12	20	0.14
(1,1868)	1:89:A:VAL:HG21	1:122:A:LEU:HD13	20	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD11	20	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD12	20	0.14
(1,1868)	1:89:A:VAL:HG22	1:122:A:LEU:HD13	20	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD11	20	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD12	20	0.14
(1,1868)	1:89:A:VAL:HG23	1:122:A:LEU:HD13	20	0.14
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	3	0.14
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	3	0.14
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	3	0.14
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	3	0.14
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	3	0.14
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	3	0.14
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	3	0.14
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	3	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	3	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	3	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	10	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	10	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	16	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	16	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	16	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	16	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	16	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	16	0.14
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	16	0.14
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG11	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG12	2	0.14
(1,1795)	1:91:A:TYR:HD1	1:109:A:VAL:HG13	2	0.14
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG11	2	0.14
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG12	2	0.14
(1,1795)	1:91:A:TYR:HD2	1:109:A:VAL:HG13	2	0.14
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	12	0.14
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	7	0.14
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	7	0.14
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	7	0.14
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	7	0.14
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	18	0.14
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	18	0.14
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	8	0.14
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	8	0.14
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD2	8	0.14
(1,1761)	1:107:A:ARG:HE	1:111:A:LYS:HD3	8	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	5	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	7	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	10	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	18	0.14
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	19	0.14
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	3	0.14
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	3	0.14
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	3	0.14
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	9	0.14
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	11	0.14
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	11	0.14
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	16	0.14
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	16	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	6	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	6	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	6	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	6	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	7	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	7	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	7	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	7	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	20	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	20	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	20	0.14
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	20	0.14
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	13	0.14
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	16	0.14
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	18	0.14
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	18	0.14
(1,1576)	1:213:A:TYR:HD1	1:215:A:THR:H	17	0.14
(1,1576)	1:213:A:TYR:HD2	1:215:A:THR:H	17	0.14
(1,1557)	1:161:A:ALA:HB1	1:201:A:GLY:H	12	0.14
(1,1557)	1:161:A:ALA:HB2	1:201:A:GLY:H	12	0.14
(1,1557)	1:161:A:ALA:HB3	1:201:A:GLY:H	12	0.14
(1,1548)	1:196:A:LEU:HA	1:199:A:SER:H	13	0.14
(1,1547)	1:196:A:LEU:H	1:198:A:HIS:H	18	0.14
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	8	0.14
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	9	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	1	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	3	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	5	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	8	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	10	0.14
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	11	0.14
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	6	0.14
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	18	0.14
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	11	0.14
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	11	0.14
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	11	0.14
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	11	0.14
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	16	0.14
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	16	0.14
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	16	0.14
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	16	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	2	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	2	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	2	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	4	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	4	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	4	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	19	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	19	0.14
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	19	0.14
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	14	0.14
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	14	0.14
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	20	0.14
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB1	12	0.14
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB2	12	0.14
(1,1453)	1:160:A:PHE:H	1:170:A:ALA:HB3	12	0.14
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	1	0.14
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	1	0.14
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	2	0.14
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	2	0.14
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	19	0.14
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	19	0.14
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	4	0.14
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	4	0.14
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	4	0.14
(1,1403)	1:135:A:MET:H	1:136:A:ILE:H	16	0.14
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	8	0.14
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	4	0.14
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	4	0.14
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	4	0.14
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	4	0.14
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	7	0.14
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	7	0.14
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	10	0.14
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	10	0.14
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	6	0.14
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	16	0.14
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	16	0.14
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	16	0.14
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	12	0.14
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	17	0.14
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG21	5	0.14
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG22	5	0.14
(1,1324)	1:116:A:TRP:H	1:193:A:THR:HG23	5	0.14
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	12	0.14
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	18	0.14
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	16	0.14
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	16	0.14
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	16	0.14
(1,1261)	1:234:A:ILE:H	1:234:A:ILE:HG12	6	0.14
(1,1248)	1:93:A:ILE:HB	1:94:A:VAL:H	11	0.14
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	9	0.14
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	19	0.14
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	19	0.14
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	2	0.14
(1,1209)	1:84:A:TRP:HE1	1:199:A:SER:HA	2	0.14
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	14	0.14
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	14	0.14
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	2	0.14
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	16	0.14
(1,1168)	1:233:A:GLY:H	1:234:A:ILE:H	20	0.14
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	7	0.14
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	15	0.14
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	13	0.14
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	13	0.14
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	1	0.14
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	4	0.14
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	5	0.14
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	11	0.14
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	18	0.14
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	16	0.14
(1,1125)	1:179:A:THR:H	1:188:A:PHE:H	2	0.14
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	1	0.14
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	19	0.14
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD11	20	0.14
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD12	20	0.14
(1,1108)	1:177:A:ARG:H	1:186:A:ILE:HD13	20	0.14
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	17	0.14
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	12	0.14
(1,1086)	1:165:A:GLY:H	1:167:A:GLY:H	12	0.14
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	10	0.14
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	16	0.14
(1,1069)	1:143:A:HIS:H	1:145:A:ASP:H	11	0.14
(1,1065)	1:139:A:ALA:H	1:174:A:GLU:H	18	0.14
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	16	0.14
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	9	0.14
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	3	0.14
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	16	0.14
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	3	0.14
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	16	0.14
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	8	0.14
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	1	0.14
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	16	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	2	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	3	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	13	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	14	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	19	0.14
(1,1013)	1:104:A:THR:H	1:105:A:VAL:H	20	0.14
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	13	0.14
(1,997)	1:94:A:VAL:H	1:95:A:SER:H	13	0.14
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	1	0.14
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	1	0.14
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	18	0.14
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	19	0.14
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	1	0.14
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	9	0.14
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	16	0.14
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	17	0.14
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	7	0.14
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	5	0.14
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	13	0.14
(1,916)	1:38:A:LYS:H	1:39:A:LEU:H	8	0.14
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	19	0.14
(1,910)	1:38:A:LYS:H	1:39:A:LEU:H	8	0.14
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	12	0.14
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	17	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	6	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	6	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	9	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	9	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	11	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	11	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	17	0.14
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	17	0.14
(1,832)	1:202:A:MET:HE1	1:233:A:GLY:H	20	0.14
(1,832)	1:202:A:MET:HE2	1:233:A:GLY:H	20	0.14
(1,832)	1:202:A:MET:HE3	1:233:A:GLY:H	20	0.14
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	5	0.14
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	5	0.14
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	11	0.14
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	11	0.14
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	11	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	5	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	5	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	12	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	14	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	14	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	17	0.14
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	17	0.14
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	7	0.14
(1,727)	1:97:A:THR:HG21	1:178:A:TRP:H	17	0.14
(1,727)	1:97:A:THR:HG22	1:178:A:TRP:H	17	0.14
(1,727)	1:97:A:THR:HG23	1:178:A:TRP:H	17	0.14
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	20	0.14
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	20	0.14
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	20	0.14
(1,705)	1:84:A:TRP:HB2	1:122:A:LEU:HG	2	0.14
(1,705)	1:84:A:TRP:HB3	1:122:A:LEU:HG	2	0.14
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	10	0.14
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	10	0.14
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG2	11	0.14
(1,684)	1:60:A:GLU:H	1:62:A:MET:HG3	11	0.14
(1,628)	1:4:A:ALA:HB1	1:12:A:TRP:HE3	16	0.14
(1,628)	1:4:A:ALA:HB2	1:12:A:TRP:HE3	16	0.14
(1,628)	1:4:A:ALA:HB3	1:12:A:TRP:HE3	16	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	6	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	6	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	6	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	13	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	13	0.14
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	13	0.14
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	16	0.14
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	16	0.14
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	16	0.14
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	14	0.14
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	14	0.14
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	14	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	2	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	2	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	2	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	13	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	13	0.14
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	13	0.14
(1,595)	1:132:A:ALA:HB1	1:134:A:ILE:H	12	0.14
(1,595)	1:132:A:ALA:HB2	1:134:A:ILE:H	12	0.14
(1,595)	1:132:A:ALA:HB3	1:134:A:ILE:H	12	0.14
(1,576)	1:120:A:ILE:HG21	1:238:A:TYR:HB3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,576)	1:120:A:ILE:HG22	1:238:A:TYR:HB3	9	0.14
(1,576)	1:120:A:ILE:HG23	1:238:A:TYR:HB3	9	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	18	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	18	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	18	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	18	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	18	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	18	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD11	20	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD12	20	0.14
(1,572)	1:202:A:MET:HB2	1:234:A:ILE:HD13	20	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD11	20	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD12	20	0.14
(1,572)	1:202:A:MET:HB3	1:234:A:ILE:HD13	20	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	2	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	3	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	5	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	6	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	7	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	11	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	13	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	14	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	15	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	17	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	18	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	19	0.14
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	20	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	6	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	6	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	12	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	12	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	20	0.14
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	20	0.14
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	6	0.14
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	14	0.14
(1,459)	1:156:A:LEU:HB3	1:178:A:TRP:HH2	8	0.14
(1,408)	1:45:A:PHE:HE1	1:214:A:PRO:HD3	2	0.14
(1,408)	1:45:A:PHE:HE2	1:214:A:PRO:HD3	2	0.14
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	11	0.14
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	11	0.14
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	11	0.14
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	11	0.14
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	11	0.14
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	15	0.14
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	15	0.14
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	15	0.14
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	15	0.14
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	17	0.14
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	17	0.14
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	17	0.14
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	18	0.14
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	18	0.14
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	18	0.14
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	13	0.14
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	13	0.14
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	13	0.14
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	13	0.14
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	13	0.14
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	13	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	19	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	19	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	19	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	19	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	19	0.14
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	19	0.14
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	19	0.14
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	10	0.14
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	10	0.14
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	10	0.14
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	10	0.14
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	10	0.14
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	10	0.14
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB2	11	0.14
(1,198)	1:42:A:MET:HE1	1:62:A:MET:HB3	11	0.14
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB2	11	0.14
(1,198)	1:42:A:MET:HE2	1:62:A:MET:HB3	11	0.14
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB2	11	0.14
(1,198)	1:42:A:MET:HE3	1:62:A:MET:HB3	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	1	0.14
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	1	0.14
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	1	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	1	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	1	0.14
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	1	0.14
(1,170)	1:157:A:ALA:HB1	1:195:A:ALA:HB2	3	0.14
(1,170)	1:157:A:ALA:HB2	1:195:A:ALA:HB2	3	0.14
(1,170)	1:157:A:ALA:HB3	1:195:A:ALA:HB2	3	0.14
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE1	3	0.14
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE2	3	0.14
(1,161)	1:131:A:THR:HA	1:135:A:MET:HE3	3	0.14
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	17	0.14
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	17	0.14
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	17	0.14
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB2	17	0.14
(1,127)	1:24:A:LEU:HA	1:70:A:PRO:HB3	17	0.14
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	9	0.14
(1,119)	1:66:A:ARG:H	1:155:A:THR:HA	19	0.14
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	3	0.14
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	5	0.14
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	12	0.14
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	12	0.14
(1,98)	1:236:A:LYS:HB2	1:241:A:ARG:HA	12	0.14
(1,98)	1:236:A:LYS:HB3	1:241:A:ARG:HA	12	0.14
(1,18)	1:116:A:TRP:HZ2	1:197:A:GLY:H	10	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	12	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	12	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	12	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	14	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	14	0.14
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	14	0.14
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	13	0.13
(4,46)	3:304:A:ZN:ZN	1:194:A:HIS:NE2	19	0.13
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	4	0.13
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	5	0.13
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	13	0.13
(4,42)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	19	0.13
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	3	0.13
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	11	0.13
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	10	0.13
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	18	0.13
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	19	0.13
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	12	0.13
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	13	0.13
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD21	13	0.13
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD22	13	0.13
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD23	13	0.13
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	16	0.13
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	16	0.13
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	16	0.13
(1,2246)	1:72:A:VAL:HG21	1:73:A:ALA:H	10	0.13
(1,2246)	1:72:A:VAL:HG22	1:73:A:ALA:H	10	0.13
(1,2246)	1:72:A:VAL:HG23	1:73:A:ALA:H	10	0.13
(1,2219)	1:116:A:TRP:H	1:200:A:LEU:HD11	9	0.13
(1,2219)	1:116:A:TRP:H	1:200:A:LEU:HD12	9	0.13
(1,2219)	1:116:A:TRP:H	1:200:A:LEU:HD13	9	0.13
(1,2199)	1:24:A:LEU:HD21	1:25:A:TYR:H	10	0.13
(1,2199)	1:24:A:LEU:HD22	1:25:A:TYR:H	10	0.13
(1,2199)	1:24:A:LEU:HD23	1:25:A:TYR:H	10	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	3	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	3	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	3	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	9	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	9	0.13
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	9	0.13
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	19	0.13
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	19	0.13
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	19	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	6	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	6	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	6	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	11	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	11	0.13
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	11	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	17	0.13
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	17	0.13
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	17	0.13
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	14	0.13
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	14	0.13
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	14	0.13
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	14	0.13
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	14	0.13
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	14	0.13
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	17	0.13
(1,2151)	1:109:A:VAL:HG11	1:136:A:ILE:HG13	17	0.13
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	17	0.13
(1,2151)	1:109:A:VAL:HG12	1:136:A:ILE:HG13	17	0.13
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	17	0.13
(1,2151)	1:109:A:VAL:HG13	1:136:A:ILE:HG13	17	0.13
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD11	4	0.13
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD12	4	0.13
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD13	4	0.13
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	19	0.13
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	19	0.13
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	19	0.13
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	19	0.13
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	19	0.13
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	19	0.13
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	14	0.13
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	14	0.13
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	14	0.13
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	14	0.13
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	14	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	8	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	8	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	8	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	8	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	8	0.13
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	8	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	10	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	10	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	10	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	10	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	10	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	10	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	18	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	18	0.13
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	18	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	18	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	18	0.13
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	18	0.13
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	15	0.13
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	15	0.13
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	15	0.13
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG21	9	0.13
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG22	9	0.13
(1,1860)	1:102:A:HIS:HD2	1:105:A:VAL:HG23	9	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG21	8	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG22	8	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG23	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG21	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG22	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG23	8	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG11	8	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG12	8	0.13
(1,1796)	1:91:A:TYR:HE1	1:109:A:VAL:HG13	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG11	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG12	8	0.13
(1,1796)	1:91:A:TYR:HE2	1:109:A:VAL:HG13	8	0.13
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	17	0.13
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	17	0.13
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	17	0.13
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	1	0.13
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:57:A:ARG:HG2	1:58:A:VAL:H	1	0.13
(1,1787)	1:57:A:ARG:HG3	1:58:A:VAL:H	1	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	1	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	2	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	3	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	6	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	8	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	9	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	11	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	12	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	13	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	14	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	15	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	16	0.13
(1,1760)	1:50:A:ILE:H	1:51:A:THR:H	20	0.13
(1,1748)	1:213:A:TYR:HE1	1:215:A:THR:H	11	0.13
(1,1748)	1:213:A:TYR:HE2	1:215:A:THR:H	11	0.13
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	9	0.13
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	9	0.13
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	14	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	2	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	7	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	8	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	12	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	14	0.13
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	20	0.13
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	9	0.13
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	9	0.13
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	17	0.13
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	17	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	13	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	13	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	13	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	13	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	18	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	18	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	18	0.13
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	18	0.13
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	15	0.13
(1,1641)	1:25:A:TYR:H	1:25:A:TYR:HB2	20	0.13
(1,1627)	1:15:A:ALA:HA	1:19:A:LEU:H	9	0.13
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1611)	1:237:A:LEU:HG	1:238:A:TYR:H	3	0.13
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	13	0.13
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	17	0.13
(1,1561)	1:29:A:THR:HG21	1:38:A:LYS:H	11	0.13
(1,1561)	1:29:A:THR:HG22	1:38:A:LYS:H	11	0.13
(1,1561)	1:29:A:THR:HG23	1:38:A:LYS:H	11	0.13
(1,1555)	1:162:A:PRO:HD2	1:201:A:GLY:H	15	0.13
(1,1555)	1:162:A:PRO:HD3	1:201:A:GLY:H	15	0.13
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	20	0.13
(1,1540)	1:197:A:GLY:H	1:199:A:SER:H	7	0.13
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	8	0.13
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	17	0.13
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	17	0.13
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	17	0.13
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	2	0.13
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	12	0.13
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	10	0.13
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	10	0.13
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	10	0.13
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	2	0.13
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	2	0.13
(1,1437)	1:154:A:ASN:HD22	1:155:A:THR:H	2	0.13
(1,1437)	1:154:A:ASN:HD21	1:155:A:THR:H	2	0.13
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	17	0.13
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	17	0.13
(1,1425)	1:147:A:TYR:H	1:147:A:TYR:HB3	3	0.13
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	9	0.13
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	9	0.13
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	2	0.13
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	15	0.13
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	15	0.13
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	15	0.13
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	15	0.13
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	13	0.13
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	13	0.13
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	17	0.13
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	17	0.13
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	18	0.13
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	18	0.13
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	3	0.13
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	14	0.13
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	3	0.13
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	6	0.13
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	2	0.13
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	2	0.13
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	2	0.13
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	2	0.13
(1,1258)	1:98:A:ARG:HG2	1:99:A:ASP:H	11	0.13
(1,1258)	1:98:A:ARG:HG3	1:99:A:ASP:H	11	0.13
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	6	0.13
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	6	0.13
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	15	0.13
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	14	0.13
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	17	0.13
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	14	0.13
(1,1204)	1:84:A:TRP:H	1:84:A:TRP:HD1	9	0.13
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	7	0.13
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	7	0.13
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	10	0.13
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	10	0.13
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD1	15	0.13
(1,1195)	1:75:A:TYR:H	1:75:A:TYR:HD2	15	0.13
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	14	0.13
(1,1183)	1:237:A:LEU:H	1:239:A:GLY:H	18	0.13
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	2	0.13
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	16	0.13
(1,1168)	1:233:A:GLY:H	1:234:A:ILE:H	13	0.13
(1,1163)	1:230:A:ASP:H	1:232:A:LYS:H	9	0.13
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	13	0.13
(1,1149)	1:205:A:SER:H	1:213:A:TYR:H	1	0.13
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	3	0.13
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	10	0.13
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	5	0.13
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	10	0.13
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	11	0.13
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	15	0.13
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	4	0.13
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	15	0.13
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	18	0.13
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	10	0.13
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	5	0.13
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	2	0.13
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	16	0.13
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	3	0.13
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	7	0.13
(1,1052)	1:134:A:ILE:H	1:135:A:MET:H	16	0.13
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	8	0.13
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	8	0.13
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	3	0.13
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	19	0.13
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	8	0.13
(1,1026)	1:116:A:TRP:H	1:117:A:GLY:H	4	0.13
(1,1026)	1:116:A:TRP:H	1:117:A:GLY:H	15	0.13
(1,996)	1:94:A:VAL:H	1:136:A:ILE:H	1	0.13
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	1	0.13
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	14	0.13
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	16	0.13
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD11	6	0.13
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD12	6	0.13
(1,990)	1:90:A:THR:H	1:134:A:ILE:HD13	6	0.13
(1,937)	1:47:A:GLY:H	1:48:A:LEU:H	4	0.13
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	19	0.13
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	7	0.13
(1,917)	1:39:A:LEU:H	1:41:A:GLU:H	12	0.13
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	14	0.13
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	11	0.13
(1,904)	1:23:A:TYR:H	1:24:A:LEU:H	11	0.13
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	17	0.13
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	7	0.13
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	1	0.13
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	1	0.13
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	18	0.13
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	18	0.13
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB2	10	0.13
(1,851)	1:223:A:ASN:H	1:224:A:PHE:HB3	10	0.13
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE1	12	0.13
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE2	12	0.13
(1,835)	1:116:A:TRP:HH2	1:202:A:MET:HE3	12	0.13
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	4	0.13
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	4	0.13
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	8	0.13
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	8	0.13
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	8	0.13
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	8	0.13
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	8	0.13
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	1	0.13
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	1	0.13
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	13	0.13
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	13	0.13
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	16	0.13
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD1	4	0.13
(1,747)	1:113:A:LEU:HB2	1:124:A:PHE:HD2	4	0.13
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD1	4	0.13
(1,747)	1:113:A:LEU:HB3	1:124:A:PHE:HD2	4	0.13
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	8	0.13
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	8	0.13
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	8	0.13
(1,701)	1:81:A:SER:HB2	1:83:A:LYS:H	2	0.13
(1,701)	1:81:A:SER:HB3	1:83:A:LYS:H	2	0.13
(1,693)	1:118:A:LYS:H	1:118:A:LYS:HB3	13	0.13
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG2	12	0.13
(1,672)	1:61:A:ILE:HA	1:64:A:LYS:HG3	12	0.13
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE2	18	0.13
(1,671)	1:60:A:GLU:HA	1:64:A:LYS:HE3	18	0.13
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD1	14	0.13
(1,651)	1:42:A:MET:HE1	1:46:A:PHE:HD2	14	0.13
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD1	14	0.13
(1,651)	1:42:A:MET:HE2	1:46:A:PHE:HD2	14	0.13
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD1	14	0.13
(1,651)	1:42:A:MET:HE3	1:46:A:PHE:HD2	14	0.13
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	2	0.13
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	2	0.13
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	2	0.13
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	7	0.13
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	7	0.13
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	7	0.13
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	6	0.13
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	6	0.13
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	6	0.13
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	6	0.13
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	6	0.13
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	6	0.13
(1,509)	1:61:A:ILE:HA	1:63:A:GLN:H	17	0.13
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	4	0.13
(1,508)	1:59:A:ILE:HA	1:60:A:GLU:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB2	1	0.13
(1,471)	1:201:A:GLY:H	1:202:A:MET:HB3	1	0.13
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	3	0.13
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	7	0.13
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	7	0.13
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	7	0.13
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG21	7	0.13
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG22	7	0.13
(1,402)	1:57:A:ARG:HG2	1:215:A:THR:HG23	7	0.13
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG21	7	0.13
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG22	7	0.13
(1,402)	1:57:A:ARG:HG3	1:215:A:THR:HG23	7	0.13
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB2	12	0.13
(1,398)	1:115:A:MET:HE1	1:226:A:LEU:HB3	12	0.13
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB2	12	0.13
(1,398)	1:115:A:MET:HE2	1:226:A:LEU:HB3	12	0.13
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB2	12	0.13
(1,398)	1:115:A:MET:HE3	1:226:A:LEU:HB3	12	0.13
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	11	0.13
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	11	0.13
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	19	0.13
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	19	0.13
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	19	0.13
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	14	0.13
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	14	0.13
(1,270)	1:223:A:ASN:HB2	1:224:A:PHE:H	14	0.13
(1,270)	1:223:A:ASN:HB3	1:224:A:PHE:H	14	0.13
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB3	15	0.13
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB3	15	0.13
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB3	15	0.13
(1,225)	1:170:A:ALA:HB1	1:195:A:ALA:HB2	15	0.13
(1,225)	1:170:A:ALA:HB2	1:195:A:ALA:HB2	15	0.13
(1,225)	1:170:A:ALA:HB3	1:195:A:ALA:HB2	15	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	18	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	18	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	18	0.13
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	18	0.13
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	18	0.13
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	18	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	18	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	18	0.13
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	18	0.13
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	18	0.13
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	18	0.13
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	3	0.13
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	3	0.13
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	3	0.13
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	3	0.13
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	3	0.13
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	3	0.13
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	5	0.13
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	5	0.13
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	5	0.13
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD1	15	0.13
(1,168)	1:157:A:ALA:HB1	1:172:A:PHE:HD2	15	0.13
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD1	15	0.13
(1,168)	1:157:A:ALA:HB2	1:172:A:PHE:HD2	15	0.13
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD1	15	0.13
(1,168)	1:157:A:ALA:HB3	1:172:A:PHE:HD2	15	0.13
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE1	4	0.13
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE2	4	0.13
(1,154)	1:15:A:ALA:HA	1:62:A:MET:HE3	4	0.13
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	3	0.13
(1,147)	1:155:A:THR:HB	1:156:A:LEU:H	8	0.13
(1,130)	1:204:A:HIS:HA	1:214:A:PRO:HD3	7	0.13
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	14	0.13
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE1	5	0.13
(1,52)	1:147:A:TYR:HA	1:147:A:TYR:HE2	5	0.13
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	2	0.12
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	15	0.12
(4,43)	3:304:A:ZN:ZN	1:204:A:HIS:CG	18	0.12
(4,40)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	10	0.12
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	8	0.12
(4,36)	3:303:A:ZN:ZN	1:158:A:HIS:CG	9	0.12
(4,19)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	12	0.12
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	9	0.12
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	17	0.12
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	2	0.12
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	9	0.12
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	18	0.12
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD21	3	0.12
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD22	3	0.12
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD23	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,132)	1:68:A:GLY:H	1:198:A:HIS:HD2	13	0.12
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG21	17	0.12
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG22	17	0.12
(1,2247)	1:56:A:SER:H	1:58:A:VAL:HG23	17	0.12
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG21	14	0.12
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG22	14	0.12
(1,2239)	1:23:A:TYR:H	1:72:A:VAL:HG23	14	0.12
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	1	0.12
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	1	0.12
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	1	0.12
(1,2224)	1:127:A:VAL:HG11	1:129:A:TRP:H	15	0.12
(1,2224)	1:127:A:VAL:HG12	1:129:A:TRP:H	15	0.12
(1,2224)	1:127:A:VAL:HG13	1:129:A:TRP:H	15	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	6	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	6	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	6	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	11	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	11	0.12
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	11	0.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG11	14	0.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG12	14	0.12
(1,2164)	1:84:A:TRP:HE1	1:89:A:VAL:HG13	14	0.12
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD21	12	0.12
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD22	12	0.12
(1,2126)	1:65:A:PRO:HB3	1:156:A:LEU:HD23	12	0.12
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG2	20	0.12
(1,2124)	1:24:A:LEU:HD21	1:70:A:PRO:HG3	20	0.12
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG2	20	0.12
(1,2124)	1:24:A:LEU:HD22	1:70:A:PRO:HG3	20	0.12
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG2	20	0.12
(1,2124)	1:24:A:LEU:HD23	1:70:A:PRO:HG3	20	0.12
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	11	0.12
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	11	0.12
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	11	0.12
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	11	0.12
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	11	0.12
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	11	0.12
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	1	0.12
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	1	0.12
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	1	0.12
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	2	0.12
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	2	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD11	17	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD12	17	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD13	17	0.12
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD11	17	0.12
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD12	17	0.12
(1,2072)	1:84:A:TRP:HB2	1:122:A:LEU:HD13	17	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD21	17	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD22	17	0.12
(1,2072)	1:84:A:TRP:HB3	1:122:A:LEU:HD23	17	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD11	7	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD12	7	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD13	7	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD21	7	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD22	7	0.12
(1,2054)	1:24:A:LEU:H	1:24:A:LEU:HD23	7	0.12
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	9	0.12
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	9	0.12
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	9	0.12
(1,2034)	1:127:A:VAL:HG11	1:129:A:TRP:H	15	0.12
(1,2034)	1:127:A:VAL:HG12	1:129:A:TRP:H	15	0.12
(1,2034)	1:127:A:VAL:HG13	1:129:A:TRP:H	15	0.12
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	3	0.12
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	3	0.12
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	3	0.12
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	3	0.12
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	3	0.12
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	3	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	5	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	5	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	5	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	5	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	5	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	5	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	9	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	9	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	9	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	9	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	9	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	9	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	16	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	16	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	16	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	16	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	16	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	19	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	19	0.12
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	19	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	19	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	19	0.12
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	19	0.12
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	11	0.12
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	11	0.12
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	11	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	10	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	10	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	10	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	10	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	18	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	18	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	18	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	18	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	18	0.12
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	18	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	18	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	18	0.12
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	18	0.12
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	17	0.12
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	17	0.12
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	17	0.12
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	15	0.12
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	15	0.12
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	15	0.12
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	15	0.12
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	15	0.12
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	15	0.12
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE1	20	0.12
(1,1794)	1:69:A:VAL:HG11	1:160:A:PHE:HE2	20	0.12
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE1	20	0.12
(1,1794)	1:69:A:VAL:HG12	1:160:A:PHE:HE2	20	0.12
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE1	20	0.12
(1,1794)	1:69:A:VAL:HG13	1:160:A:PHE:HE2	20	0.12
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG11	1	0.12
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG12	1	0.12
(1,1793)	1:102:A:HIS:HD2	1:105:A:VAL:HG13	1	0.12
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	7	0.12
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG2	8	0.12
(1,1745)	1:46:A:PHE:H	1:214:A:PRO:HG3	8	0.12
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	4	0.12
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	4	0.12
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	14	0.12
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	14	0.12
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	1	0.12
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	4	0.12
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	6	0.12
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	17	0.12
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	18	0.12
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	4	0.12
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	4	0.12
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	11	0.12
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	11	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	3	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	3	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	3	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	3	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	10	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	10	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	10	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	10	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	12	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	12	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	12	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	12	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	19	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE2	19	0.12
(1,1674)	1:44:A:LYS:H	1:44:A:LYS:HE3	19	0.12
(1,1665)	1:38:A:LYS:HA	1:41:A:GLU:H	3	0.12
(1,1656)	1:37:A:ALA:H	1:39:A:LEU:H	8	0.12
(1,1614)	1:235:A:GLN:HA	1:239:A:GLY:H	6	0.12
(1,1584)	1:227:A:SER:H	1:230:A:ASP:H	15	0.12
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	12	0.12
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	12	0.12
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE1	20	0.12
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE2	20	0.12
(1,1560)	1:202:A:MET:H	1:202:A:MET:HE3	20	0.12
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	2	0.12
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	7	0.12
(1,1546)	1:195:A:ALA:HA	1:198:A:HIS:H	18	0.12
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	6	0.12
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	12	0.12
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	19	0.12
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	4	0.12
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	6	0.12
(1,1532)	1:192:A:ALA:H	1:194:A:HIS:H	7	0.12
(1,1528)	1:172:A:PHE:HE1	1:192:A:ALA:H	7	0.12
(1,1528)	1:172:A:PHE:HE2	1:192:A:ALA:H	7	0.12
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	1	0.12
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	2	0.12
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	5	0.12
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	13	0.12
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	20	0.12
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	8	0.12
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	8	0.12
(1,1508)	1:183:A:SER:HB2	1:184:A:LEU:H	8	0.12
(1,1508)	1:183:A:SER:HB3	1:184:A:LEU:H	8	0.12
(1,1481)	1:172:A:PHE:H	1:173:A:ASP:H	16	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	6	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	6	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	6	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	7	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	7	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	7	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	13	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	13	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	17	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	17	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	17	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	20	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	20	0.12
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	20	0.12
(1,1461)	1:163:A:GLY:H	1:168:A:GLY:H	8	0.12
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	2	0.12
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	2	0.12
(1,1431)	1:149:A:PHE:HB2	1:150:A:ASP:H	10	0.12
(1,1431)	1:149:A:PHE:HB3	1:150:A:ASP:H	10	0.12
(1,1425)	1:147:A:TYR:H	1:147:A:TYR:HB3	13	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	1	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	1	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	1	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	1	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	19	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	19	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	19	0.12
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	19	0.12
(1,1417)	1:138:A:PHE:HD1	1:139:A:ALA:H	5	0.12
(1,1417)	1:138:A:PHE:HD2	1:139:A:ALA:H	5	0.12
(1,1404)	1:136:A:ILE:HG21	1:137:A:GLY:H	6	0.12
(1,1404)	1:136:A:ILE:HG22	1:137:A:GLY:H	6	0.12
(1,1404)	1:136:A:ILE:HG23	1:137:A:GLY:H	6	0.12
(1,1400)	1:136:A:ILE:H	1:136:A:ILE:HB	18	0.12
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	9	0.12
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	9	0.12
(1,1354)	1:117:A:GLY:HA2	1:122:A:LEU:H	1	0.12
(1,1350)	1:120:A:ILE:HG21	1:122:A:LEU:H	12	0.12
(1,1350)	1:120:A:ILE:HG22	1:122:A:LEU:H	12	0.12
(1,1350)	1:120:A:ILE:HG23	1:122:A:LEU:H	12	0.12
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	12	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	2	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	2	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	2	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD11	3	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD12	3	0.12
(1,1343)	1:119:A:GLU:H	1:120:A:ILE:HD13	3	0.12
(1,1326)	1:116:A:TRP:H	1:116:A:TRP:HD1	20	0.12
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	12	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	5	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	7	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	8	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	11	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	14	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	17	0.12
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	19	0.12
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	7	0.12
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	7	0.12
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	7	0.12
(1,1243)	1:92:A:ARG:HD2	1:93:A:ILE:H	11	0.12
(1,1243)	1:92:A:ARG:HD3	1:93:A:ILE:H	11	0.12
(1,1228)	1:90:A:THR:H	1:125:A:ARG:H	17	0.12
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	15	0.12
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	15	0.12
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	18	0.12
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	18	0.12
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	6	0.12
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	10	0.12
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	19	0.12
(1,1176)	1:235:A:GLN:H	1:237:A:LEU:H	13	0.12
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	14	0.12
(1,1172)	1:237:A:LEU:H	1:239:A:GLY:H	18	0.12
(1,1168)	1:233:A:GLY:H	1:234:A:ILE:H	11	0.12
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	12	0.12
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	12	0.12
(1,1138)	1:116:A:TRP:HE1	1:198:A:HIS:H	2	0.12
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	11	0.12
(1,1112)	1:175:A:ASP:H	1:178:A:TRP:HE1	5	0.12
(1,1107)	1:176:A:GLU:H	1:177:A:ARG:H	18	0.12
(1,1104)	1:176:A:GLU:H	1:178:A:TRP:HE1	10	0.12
(1,1098)	1:173:A:ASP:H	1:178:A:TRP:HE1	10	0.12
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	6	0.12
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	9	0.12
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	5	0.12
(1,1072)	1:141:A:GLY:H	1:149:A:PHE:H	16	0.12
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	12	0.12
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	19	0.12
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	12	0.12
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	19	0.12
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD11	19	0.12
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD12	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD13	19	0.12
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	9	0.12
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	6	0.12
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	13	0.12
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	13	0.12
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	14	0.12
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	14	0.12
(1,998)	1:95:A:SER:H	1:138:A:PHE:H	18	0.12
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	10	0.12
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	10	0.12
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	8	0.12
(1,939)	1:45:A:PHE:H	1:47:A:GLY:H	12	0.12
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	3	0.12
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	5	0.12
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	2	0.12
(1,914)	1:37:A:ALA:H	1:38:A:LYS:H	6	0.12
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	16	0.12
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	7	0.12
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	7	0.12
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	15	0.12
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	15	0.12
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	20	0.12
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	20	0.12
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB2	2	0.12
(1,849)	1:115:A:MET:HE1	1:224:A:PHE:HB3	2	0.12
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB2	2	0.12
(1,849)	1:115:A:MET:HE2	1:224:A:PHE:HB3	2	0.12
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB2	2	0.12
(1,849)	1:115:A:MET:HE3	1:224:A:PHE:HB3	2	0.12
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB3	16	0.12
(1,823)	1:195:A:ALA:H	1:195:A:ALA:HB2	16	0.12
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	15	0.12
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	15	0.12
(1,821)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	15	0.12
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	15	0.12
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	15	0.12
(1,821)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	15	0.12
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	14	0.12
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	14	0.12
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	14	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	3	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	8	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	8	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	9	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	9	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	11	0.12
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	11	0.12
(1,776)	1:126:A:LYS:HD2	1:127:A:VAL:HB	12	0.12
(1,776)	1:126:A:LYS:HD3	1:127:A:VAL:HB	12	0.12
(1,772)	1:91:A:TYR:H	1:126:A:LYS:HA	1	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	5	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	5	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	5	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG21	6	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG22	6	0.12
(1,757)	1:117:A:GLY:HA2	1:120:A:ILE:HG23	6	0.12
(1,752)	1:162:A:PRO:HA	1:168:A:GLY:HA2	18	0.12
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	5	0.12
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	5	0.12
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	5	0.12
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	6	0.12
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	6	0.12
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	6	0.12
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	6	0.12
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD1	14	0.12
(1,696)	1:70:A:PRO:HD2	1:147:A:TYR:HD2	14	0.12
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD1	14	0.12
(1,696)	1:70:A:PRO:HD3	1:147:A:TYR:HD2	14	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	2	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	2	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	2	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	4	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	4	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	4	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	7	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	7	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	7	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	8	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	8	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	8	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	16	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	16	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	17	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	17	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	17	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	19	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	19	0.12
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	19	0.12
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	3	0.12
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	3	0.12
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	13	0.12
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	13	0.12
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	13	0.12
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD11	14	0.12
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD12	14	0.12
(1,623)	1:202:A:MET:H	1:234:A:ILE:HD13	14	0.12
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD11	4	0.12
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD12	4	0.12
(1,621)	1:134:A:ILE:H	1:134:A:ILE:HD13	4	0.12
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	14	0.12
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	14	0.12
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	14	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	1	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	1	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	1	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	13	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	13	0.12
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	13	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	1	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	1	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	1	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	11	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	11	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	11	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	16	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	16	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	16	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD11	18	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD12	18	0.12
(1,612)	1:103:A:ILE:HB	1:103:A:ILE:HD13	18	0.12
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD11	9	0.12
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD12	9	0.12
(1,607)	1:116:A:TRP:HB3	1:234:A:ILE:HD13	9	0.12
(1,512)	1:96:A:TYR:HA	1:102:A:HIS:HD2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:93:A:ILE:HD11	1:102:A:HIS:HD2	19	0.12
(1,477)	1:93:A:ILE:HD12	1:102:A:HIS:HD2	19	0.12
(1,477)	1:93:A:ILE:HD13	1:102:A:HIS:HD2	19	0.12
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	16	0.12
(1,474)	1:222:A:GLN:HB2	1:223:A:ASN:H	16	0.12
(1,474)	1:222:A:GLN:HB3	1:223:A:ASN:H	16	0.12
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	6	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	6	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	6	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	6	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD11	19	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD12	19	0.12
(1,455)	1:178:A:TRP:HZ3	1:186:A:ILE:HD13	19	0.12
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	13	0.12
(1,423)	1:53:A:MET:H	1:53:A:MET:HG2	13	0.12
(1,423)	1:53:A:MET:H	1:53:A:MET:HG3	13	0.12
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD11	8	0.12
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD12	8	0.12
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD13	8	0.12
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	12	0.12
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	12	0.12
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB2	12	0.12
(1,371)	1:116:A:TRP:HH2	1:202:A:MET:HB3	12	0.12
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB2	7	0.12
(1,326)	1:120:A:ILE:HD11	1:238:A:TYR:HB3	7	0.12
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB2	7	0.12
(1,326)	1:120:A:ILE:HD12	1:238:A:TYR:HB3	7	0.12
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB2	7	0.12
(1,326)	1:120:A:ILE:HD13	1:238:A:TYR:HB3	7	0.12
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	7	0.12
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	7	0.12
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	7	0.12
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	13	0.12
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	13	0.12
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	13	0.12
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD1	9	0.12
(1,285)	1:89:A:VAL:HB	1:124:A:PHE:HD2	9	0.12
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD1	16	0.12
(1,269)	1:42:A:MET:HG3	1:46:A:PHE:HD2	16	0.12
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	3	0.12
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB2	3	0.12
(1,231)	1:118:A:LYS:H	1:118:A:LYS:HB3	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:172:A:PHE:HE1	1:195:A:ALA:HB3	17	0.12
(1,220)	1:172:A:PHE:HE2	1:195:A:ALA:HB3	17	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	15	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	15	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	15	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	15	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	15	0.12
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	15	0.12
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	15	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	6	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	6	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	6	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	6	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	6	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	6	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	7	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	7	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	7	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	7	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	7	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	7	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	9	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	9	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	9	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	9	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	9	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	9	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	11	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	11	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	11	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	11	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	11	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	11	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	13	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	13	0.12
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	13	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	13	0.12
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	13	0.12
(1,178)	1:202:A:MET:HE1	1:233:A:GLY:H	1	0.12
(1,178)	1:202:A:MET:HE2	1:233:A:GLY:H	1	0.12
(1,178)	1:202:A:MET:HE3	1:233:A:GLY:H	1	0.12
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	1	0.12
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	1	0.12
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	1	0.12
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	15	0.12
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	13	0.12
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	8	0.12
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	17	0.12
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE1	11	0.12
(1,108)	1:25:A:TYR:HA	1:25:A:TYR:HE2	11	0.12
(1,76)	1:38:A:LYS:HA	1:40:A:LYS:H	13	0.12
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD1	10	0.12
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD2	10	0.12
(4,47)	3:304:A:ZN:ZN	1:194:A:HIS:CG	19	0.11
(4,41)	3:303:A:ZN:ZN	1:143:A:HIS:CG	1	0.11
(4,19)	3:304:A:ZN:ZN	1:204:A:HIS:NE2	18	0.11
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	1	0.11
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	2	0.11
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	5	0.11
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	7	0.11
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	20	0.11
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	2	0.11
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	14	0.11
(4,5)	2:301:A:CA:CA	1:165:A:GLY:O	13	0.11
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD21	11	0.11
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD22	11	0.11
(2,209)	1:119:A:GLU:H	1:226:A:LEU:HD23	11	0.11
(2,195)	1:94:A:VAL:HG21	1:138:A:PHE:H	13	0.11
(2,195)	1:94:A:VAL:HG22	1:138:A:PHE:H	13	0.11
(2,195)	1:94:A:VAL:HG23	1:138:A:PHE:H	13	0.11
(2,90)	1:173:A:ASP:H	1:175:A:ASP:H	17	0.11
(2,87)	1:141:A:GLY:H	1:150:A:ASP:H	4	0.11
(2,87)	1:141:A:GLY:H	1:150:A:ASP:H	10	0.11
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	5	0.11
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	5	0.11
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	5	0.11
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD11	12	0.11
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD12	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2250)	1:43:A:GLN:H	1:48:A:LEU:HD13	12	0.11
(1,2237)	1:200:A:LEU:HD11	1:202:A:MET:H	20	0.11
(1,2237)	1:200:A:LEU:HD12	1:202:A:MET:H	20	0.11
(1,2237)	1:200:A:LEU:HD13	1:202:A:MET:H	20	0.11
(1,2228)	1:100:A:LEU:HD21	1:188:A:PHE:H	20	0.11
(1,2228)	1:100:A:LEU:HD22	1:188:A:PHE:H	20	0.11
(1,2228)	1:100:A:LEU:HD23	1:188:A:PHE:H	20	0.11
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG11	20	0.11
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG12	20	0.11
(1,2167)	1:89:A:VAL:H	1:89:A:VAL:HG13	20	0.11
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	4	0.11
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	4	0.11
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	4	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	10	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	10	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	13	0.11
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	13	0.11
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	13	0.11
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD11	16	0.11
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD12	16	0.11
(1,2139)	1:196:A:LEU:H	1:196:A:LEU:HD13	16	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	3	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	3	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	3	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	3	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	3	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	3	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	13	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	13	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	13	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	13	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	13	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	13	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	20	0.11
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	20	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	20	0.11
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	20	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	20	0.11
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	20	0.11
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD21	13	0.11
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:107:A:ARG:HG2	1:108:A:LEU:HD23	13	0.11
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG11	14	0.11
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG12	14	0.11
(1,2090)	1:100:A:LEU:HB2	1:105:A:VAL:HG13	14	0.11
(1,2053)	1:24:A:LEU:HD21	1:72:A:VAL:HB	20	0.11
(1,2053)	1:24:A:LEU:HD22	1:72:A:VAL:HB	20	0.11
(1,2053)	1:24:A:LEU:HD23	1:72:A:VAL:HB	20	0.11
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG21	19	0.11
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG22	19	0.11
(1,2041)	1:211:A:VAL:H	1:211:A:VAL:HG23	19	0.11
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	5	0.11
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	5	0.11
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	5	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	6	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	6	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	6	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	6	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	6	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	6	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD21	7	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD22	7	0.11
(1,1976)	1:124:A:PHE:HE1	1:200:A:LEU:HD23	7	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD21	7	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD22	7	0.11
(1,1976)	1:124:A:PHE:HE2	1:200:A:LEU:HD23	7	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	2	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	2	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	2	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	2	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	2	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	2	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	3	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	3	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	3	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	3	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	3	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	3	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	11	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	11	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	11	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	11	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	11	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	12	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	12	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	12	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	12	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	12	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	12	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	13	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	13	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	13	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	13	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	13	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	13	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	15	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	15	0.11
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	15	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	15	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	15	0.11
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	15	0.11
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	9	0.11
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	9	0.11
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	9	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	12	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	12	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	17	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	17	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	18	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	18	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	20	0.11
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	20	0.11
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	20	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	9	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	9	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	9	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG21	9	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG22	9	0.11
(1,1926)	1:126:A:LYS:HE2	1:128:A:VAL:HG23	9	0.11
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG21	9	0.11
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG22	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:126:A:LYS:HE3	1:128:A:VAL:HG23	9	0.11
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	2	0.11
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	2	0.11
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	2	0.11
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG21	5	0.11
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG22	5	0.11
(1,1858)	1:100:A:LEU:HD11	1:105:A:VAL:HG23	5	0.11
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG21	5	0.11
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG22	5	0.11
(1,1858)	1:100:A:LEU:HD12	1:105:A:VAL:HG23	5	0.11
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG21	5	0.11
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG22	5	0.11
(1,1858)	1:100:A:LEU:HD13	1:105:A:VAL:HG23	5	0.11
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	1	0.11
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	1	0.11
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	2	0.11
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	2	0.11
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	5	0.11
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	5	0.11
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	8	0.11
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	8	0.11
(1,1751)	1:165:A:GLY:HA2	1:167:A:GLY:H	6	0.11
(1,1751)	1:165:A:GLY:HA3	1:167:A:GLY:H	6	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	6	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	6	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	10	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	10	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	11	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	11	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	13	0.11
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	13	0.11
(1,1726)	1:72:A:VAL:H	1:72:A:VAL:HB	6	0.11
(1,1722)	1:69:A:VAL:H	1:69:A:VAL:HB	14	0.11
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	10	0.11
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	11	0.11
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	13	0.11
(1,1701)	1:56:A:SER:HB2	1:58:A:VAL:H	16	0.11
(1,1701)	1:56:A:SER:HB3	1:58:A:VAL:H	16	0.11
(1,1694)	1:40:A:LYS:HB2	1:52:A:GLY:H	7	0.11
(1,1694)	1:40:A:LYS:HB3	1:52:A:GLY:H	7	0.11
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG2	3	0.11
(1,1693)	1:52:A:GLY:H	1:53:A:MET:HG3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1636)	1:24:A:LEU:H	1:24:A:LEU:HG	13	0.11
(1,1634)	1:22:A:PHE:H	1:24:A:LEU:H	4	0.11
(1,1631)	1:18:A:TYR:HB2	1:20:A:LYS:H	15	0.11
(1,1631)	1:18:A:TYR:HB3	1:20:A:LYS:H	15	0.11
(1,1580)	1:224:A:PHE:HE1	1:225:A:LYS:H	10	0.11
(1,1580)	1:224:A:PHE:HE2	1:225:A:LYS:H	10	0.11
(1,1548)	1:196:A:LEU:HA	1:199:A:SER:H	8	0.11
(1,1548)	1:196:A:LEU:HA	1:199:A:SER:H	9	0.11
(1,1545)	1:198:A:HIS:H	1:202:A:MET:HB2	15	0.11
(1,1545)	1:198:A:HIS:H	1:202:A:MET:HB3	15	0.11
(1,1536)	1:196:A:LEU:H	1:198:A:HIS:H	9	0.11
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	11	0.11
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	18	0.11
(1,1494)	1:97:A:THR:HG21	1:178:A:TRP:H	15	0.11
(1,1494)	1:97:A:THR:HG22	1:178:A:TRP:H	15	0.11
(1,1494)	1:97:A:THR:HG23	1:178:A:TRP:H	15	0.11
(1,1481)	1:172:A:PHE:H	1:173:A:ASP:H	1	0.11
(1,1481)	1:172:A:PHE:H	1:173:A:ASP:H	3	0.11
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	10	0.11
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	10	0.11
(1,1459)	1:162:A:PRO:HB2	1:163:A:GLY:H	18	0.11
(1,1459)	1:162:A:PRO:HB3	1:163:A:GLY:H	18	0.11
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	6	0.11
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	6	0.11
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB2	18	0.11
(1,1443)	1:157:A:ALA:H	1:173:A:ASP:HB3	18	0.11
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	14	0.11
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	14	0.11
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	14	0.11
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	14	0.11
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	13	0.11
(1,1367)	1:124:A:PHE:HD1	1:125:A:ARG:H	8	0.11
(1,1367)	1:124:A:PHE:HD2	1:125:A:ARG:H	8	0.11
(1,1366)	1:91:A:TYR:HD1	1:125:A:ARG:H	19	0.11
(1,1366)	1:91:A:TYR:HD2	1:125:A:ARG:H	19	0.11
(1,1348)	1:120:A:ILE:H	1:122:A:LEU:H	13	0.11
(1,1321)	1:115:A:MET:H	1:117:A:GLY:H	8	0.11
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	1	0.11
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	9	0.11
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	10	0.11
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	13	0.11
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1293)	1:106:A:ASP:HB2	1:107:A:ARG:H	16	0.11
(1,1267)	1:98:A:ARG:HA	1:100:A:LEU:H	13	0.11
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	6	0.11
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	6	0.11
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	2	0.11
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	10	0.11
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	13	0.11
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	17	0.11
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	10	0.11
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	10	0.11
(1,1216)	1:86:A:SER:HB2	1:88:A:VAL:H	14	0.11
(1,1216)	1:86:A:SER:HB3	1:88:A:VAL:H	14	0.11
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	1	0.11
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	2	0.11
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	11	0.11
(1,1213)	1:85:A:THR:HA	1:86:A:SER:H	17	0.11
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	9	0.11
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	9	0.11
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	20	0.11
(1,1156)	1:215:A:THR:H	1:216:A:TYR:H	20	0.11
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	5	0.11
(1,1150)	1:205:A:SER:H	1:212:A:MET:H	20	0.11
(1,1145)	1:200:A:LEU:H	1:202:A:MET:H	17	0.11
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	2	0.11
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	8	0.11
(1,1140)	1:199:A:SER:H	1:201:A:GLY:H	18	0.11
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	9	0.11
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	14	0.11
(1,1118)	1:177:A:ARG:H	1:186:A:ILE:H	19	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	2	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	4	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	7	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	9	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	11	0.11
(1,1113)	1:176:A:GLU:H	1:178:A:TRP:HE1	18	0.11
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	3	0.11
(1,1100)	1:139:A:ALA:H	1:174:A:GLU:H	12	0.11
(1,1096)	1:172:A:PHE:H	1:173:A:ASP:H	8	0.11
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	1	0.11
(1,1089)	1:161:A:ALA:H	1:168:A:GLY:H	10	0.11
(1,1087)	1:163:A:GLY:H	1:167:A:GLY:H	16	0.11
(1,1080)	1:158:A:HIS:H	1:159:A:ALA:H	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1075)	1:66:A:ARG:H	1:156:A:LEU:H	12	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	2	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	3	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	9	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	13	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	17	0.11
(1,1067)	1:143:A:HIS:H	1:145:A:ASP:H	20	0.11
(1,1059)	1:94:A:VAL:H	1:136:A:ILE:H	18	0.11
(1,1053)	1:90:A:THR:H	1:134:A:ILE:H	11	0.11
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	9	0.11
(1,1051)	1:133:A:ASP:H	1:134:A:ILE:H	17	0.11
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	9	0.11
(1,1049)	1:133:A:ASP:H	1:134:A:ILE:H	17	0.11
(1,1042)	1:125:A:ARG:HE	1:126:A:LYS:H	6	0.11
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD11	12	0.11
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD12	12	0.11
(1,1037)	1:120:A:ILE:H	1:120:A:ILE:HD13	12	0.11
(1,1030)	1:116:A:TRP:H	1:118:A:LYS:H	17	0.11
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	8	0.11
(1,1028)	1:116:A:TRP:H	1:117:A:GLY:H	10	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	1	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	1	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	3	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	3	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	4	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	4	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	6	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	6	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	9	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	9	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	11	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	11	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	15	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	15	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	16	0.11
(1,1004)	1:99:A:ASP:H	1:100:A:LEU:H	16	0.11
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	11	0.11
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	18	0.11
(1,977)	1:71:A:ASP:H	1:72:A:VAL:H	18	0.11
(1,967)	1:11:A:GLN:H	1:13:A:GLU:H	5	0.11
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	16	0.11
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	16	0.11
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	5	0.11
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	15	0.11
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	7	0.11
(1,936)	1:46:A:PHE:H	1:48:A:LEU:H	10	0.11
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	2	0.11
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	15	0.11
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	20	0.11
(1,889)	1:14:A:GLN:H	1:16:A:GLN:H	7	0.11
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	8	0.11
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	13	0.11
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	8	0.11
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	8	0.11
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD1	10	0.11
(1,861)	1:234:A:ILE:HB	1:238:A:TYR:HD2	10	0.11
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG12	9	0.11
(1,855)	1:226:A:LEU:HA	1:231:A:ILE:HG13	9	0.11
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	6	0.11
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	6	0.11
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	10	0.11
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	10	0.11
(1,797)	1:155:A:THR:H	1:155:A:THR:HG21	1	0.11
(1,797)	1:155:A:THR:H	1:155:A:THR:HG22	1	0.11
(1,797)	1:155:A:THR:H	1:155:A:THR:HG23	1	0.11
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE1	1	0.11
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE2	1	0.11
(1,786)	1:131:A:THR:HA	1:135:A:MET:HE3	1	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD11	14	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD12	14	0.11
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD13	14	0.11
(1,776)	1:126:A:LYS:HD2	1:127:A:VAL:HB	1	0.11
(1,776)	1:126:A:LYS:HD3	1:127:A:VAL:HB	1	0.11
(1,743)	1:44:A:LYS:HA	1:46:A:PHE:H	8	0.11
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	19	0.11
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	19	0.11
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	19	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	1	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	1	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	1	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	3	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	3	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	5	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	5	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	5	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	6	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	6	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	6	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	9	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	9	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	9	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	10	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	10	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	10	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	11	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	11	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	11	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	12	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	12	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	12	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	13	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	13	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	13	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	14	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	14	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	14	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	15	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	15	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	15	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	18	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	18	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	18	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG2	20	0.11
(1,692)	1:63:A:GLN:HA	1:63:A:GLN:HG3	20	0.11
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG2	19	0.11
(1,691)	1:61:A:ILE:H	1:63:A:GLN:HG3	19	0.11
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE1	17	0.11
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE2	17	0.11
(1,687)	1:59:A:ILE:HA	1:62:A:MET:HE3	17	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	3	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	3	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	3	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	12	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	12	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD11	13	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD12	13	0.11
(1,680)	1:231:A:ILE:HB	1:231:A:ILE:HD13	13	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	3	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	3	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	3	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	16	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	16	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	16	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	17	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	17	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	17	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	20	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	20	0.11
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	20	0.11
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD11	12	0.11
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD12	12	0.11
(1,554)	1:91:A:TYR:HB2	1:93:A:ILE:HD13	12	0.11
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE1	17	0.11
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE2	17	0.11
(1,551)	1:83:A:LYS:HE2	1:202:A:MET:HE3	17	0.11
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE1	17	0.11
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE2	17	0.11
(1,551)	1:83:A:LYS:HE3	1:202:A:MET:HE3	17	0.11
(1,537)	1:179:A:THR:HB	1:180:A:ASP:H	2	0.11
(1,472)	1:225:A:LYS:HB2	1:226:A:LEU:HA	9	0.11
(1,472)	1:225:A:LYS:HB3	1:226:A:LEU:HA	9	0.11
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	12	0.11
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	19	0.11
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	7	0.11
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	16	0.11
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	1	0.11
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	1	0.11
(1,460)	1:91:A:TYR:HD1	1:126:A:LYS:HA	16	0.11
(1,460)	1:91:A:TYR:HD2	1:126:A:LYS:HA	16	0.11
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	10	0.11
(1,434)	1:122:A:LEU:HG	1:123:A:HIS:H	15	0.11
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	16	0.11
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	16	0.11
(1,432)	1:91:A:TYR:HD1	1:134:A:ILE:HB	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,432)	1:91:A:TYR:HD2	1:134:A:ILE:HB	19	0.11
(1,426)	1:115:A:MET:HE1	1:226:A:LEU:HA	16	0.11
(1,426)	1:115:A:MET:HE2	1:226:A:LEU:HA	16	0.11
(1,426)	1:115:A:MET:HE3	1:226:A:LEU:HA	16	0.11
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG12	14	0.11
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG13	14	0.11
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	18	0.11
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	18	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD11	13	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD12	13	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD13	13	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD11	20	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD12	20	0.11
(1,375)	1:156:A:LEU:HG	1:186:A:ILE:HD13	20	0.11
(1,358)	1:18:A:TYR:H	1:21:A:ARG:HG2	1	0.11
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE1	1:62:A:MET:HG3	8	0.11
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE2	1:62:A:MET:HG3	8	0.11
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG2	8	0.11
(1,334)	1:42:A:MET:HE3	1:62:A:MET:HG3	8	0.11
(1,322)	1:136:A:ILE:HG21	1:137:A:GLY:H	4	0.11
(1,322)	1:136:A:ILE:HG22	1:137:A:GLY:H	4	0.11
(1,322)	1:136:A:ILE:HG23	1:137:A:GLY:H	4	0.11
(1,213)	1:2:A:GLN:HG2	1:3:A:GLU:H	9	0.11
(1,213)	1:2:A:GLN:HG3	1:3:A:GLU:H	9	0.11
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	12	0.11
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	12	0.11
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	12	0.11
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	12	0.11
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	12	0.11
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	12	0.11
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE1	14	0.11
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE2	14	0.11
(1,177)	1:116:A:TRP:HE3	1:202:A:MET:HE3	14	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	10	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	10	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	10	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	14	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	14	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE1	16	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE2	16	0.11
(1,160)	1:132:A:ALA:H	1:135:A:MET:HE3	16	0.11
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	6	0.11
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	6	0.11
(1,148)	1:76:A:SER:HB2	1:78:A:PHE:H	6	0.11
(1,148)	1:76:A:SER:HB3	1:78:A:PHE:H	6	0.11
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD2	3	0.11
(1,142)	1:236:A:LYS:HA	1:236:A:LYS:HD3	3	0.11
(1,133)	1:86:A:SER:HB3	1:88:A:VAL:H	20	0.11
(1,123)	1:112:A:ALA:HA	1:193:A:THR:HA	5	0.11
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE2	13	0.11
(1,115)	1:118:A:LYS:HA	1:118:A:LYS:HE3	13	0.11
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	2	0.11
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	4	0.11
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	9	0.11
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	11	0.11
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD1	5	0.11
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD2	5	0.11
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD1	19	0.11
(1,49)	1:25:A:TYR:H	1:25:A:TYR:HD2	19	0.11
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG21	9	0.11
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG22	9	0.11
(1,16)	1:116:A:TRP:HE3	1:234:A:ILE:HG23	9	0.11
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	17	0.11
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	17	0.11
(1,4)	1:198:A:HIS:HE1	1:204:A:HIS:HE1	16	0.11
(4,44)	3:304:A:ZN:ZN	1:198:A:HIS:NE2	20	0.1
(4,17)	3:303:A:ZN:ZN	1:143:A:HIS:NE2	5	0.1
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	6	0.1
(4,12)	3:303:A:ZN:ZN	1:158:A:HIS:NE2	14	0.1
(4,9)	2:302:A:CA:CA	1:151:A:GLY:O	2	0.1
(4,9)	2:302:A:CA:CA	1:151:A:GLY:O	13	0.1
(4,8)	2:302:A:CA:CA	1:173:A:ASP:OD2	14	0.1
(4,6)	2:302:A:CA:CA	1:155:A:THR:O	5	0.1
(3,2)	1:231:A:ILE:HD11	1:232:A:LYS:HB3	14	0.1
(3,2)	1:231:A:ILE:HD12	1:232:A:LYS:HB3	14	0.1
(3,2)	1:231:A:ILE:HD13	1:232:A:LYS:HB3	14	0.1
(2,132)	1:68:A:GLY:H	1:198:A:HIS:HD2	1	0.1
(2,87)	1:141:A:GLY:H	1:150:A:ASP:H	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG11	17	0.1
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG12	17	0.1
(1,2201)	1:55:A:ASN:H	1:58:A:VAL:HG13	17	0.1
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG11	3	0.1
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG12	3	0.1
(1,2160)	1:69:A:VAL:H	1:69:A:VAL:HG13	3	0.1
(1,2154)	1:200:A:LEU:HD21	1:202:A:MET:H	9	0.1
(1,2154)	1:200:A:LEU:HD22	1:202:A:MET:H	9	0.1
(1,2154)	1:200:A:LEU:HD23	1:202:A:MET:H	9	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD21	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD22	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD23	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD21	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD22	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD23	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD11	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD12	15	0.1
(1,2153)	1:111:A:LYS:HG2	1:189:A:LEU:HD13	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD11	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD12	15	0.1
(1,2153)	1:111:A:LYS:HG3	1:189:A:LEU:HD13	15	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	5	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	5	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	5	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	5	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	5	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	5	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	12	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	12	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	12	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	12	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	12	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	18	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	18	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	18	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	18	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	18	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	18	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD1	19	0.1
(1,2094)	1:108:A:LEU:HD11	1:188:A:PHE:HD2	19	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD1	19	0.1
(1,2094)	1:108:A:LEU:HD12	1:188:A:PHE:HD2	19	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD1	19	0.1
(1,2094)	1:108:A:LEU:HD13	1:188:A:PHE:HD2	19	0.1
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG21	6	0.1
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG22	6	0.1
(1,2081)	1:84:A:TRP:HB2	1:89:A:VAL:HG23	6	0.1
(1,2015)	1:109:A:VAL:HG11	1:136:A:ILE:HG12	4	0.1
(1,2015)	1:109:A:VAL:HG12	1:136:A:ILE:HG12	4	0.1
(1,2015)	1:109:A:VAL:HG13	1:136:A:ILE:HG12	4	0.1
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD11	7	0.1
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD12	7	0.1
(1,1948)	1:124:A:PHE:HE1	1:200:A:LEU:HD13	7	0.1
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD11	7	0.1
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD12	7	0.1
(1,1948)	1:124:A:PHE:HE2	1:200:A:LEU:HD13	7	0.1
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD11	15	0.1
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD12	15	0.1
(1,1934)	1:91:A:TYR:HB2	1:113:A:LEU:HD13	15	0.1
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD21	6	0.1
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD22	6	0.1
(1,1933)	1:237:A:LEU:HA	1:237:A:LEU:HD23	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	6	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	6	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	8	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	8	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	13	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	13	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD11	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD12	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD13	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD21	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD22	19	0.1
(1,1931)	1:189:A:LEU:HB2	1:189:A:LEU:HD23	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD11	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD12	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD21	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD22	19	0.1
(1,1931)	1:189:A:LEU:HB3	1:189:A:LEU:HD23	19	0.1
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG11	3	0.1
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG12	3	0.1
(1,1901)	1:102:A:HIS:HA	1:105:A:VAL:HG13	3	0.1
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG11	1:95:A:SER:HB3	1	0.1
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG12	1:95:A:SER:HB3	1	0.1
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG13	1:95:A:SER:HB3	1	0.1
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG21	1:95:A:SER:HB3	1	0.1
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG22	1:95:A:SER:HB3	1	0.1
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB2	1	0.1
(1,1824)	1:94:A:VAL:HG23	1:95:A:SER:HB3	1	0.1
(1,1790)	1:67:A:CYS:HA	1:69:A:VAL:H	9	0.1
(1,1771)	1:158:A:HIS:HB2	1:159:A:ALA:H	17	0.1
(1,1771)	1:158:A:HIS:HB3	1:159:A:ALA:H	17	0.1
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	4	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	4	0.1
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	9	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	9	0.1
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	11	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	11	0.1
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	15	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	15	0.1
(1,1758)	1:178:A:TRP:HB2	1:178:A:TRP:HE1	16	0.1
(1,1758)	1:178:A:TRP:HB3	1:178:A:TRP:HE1	16	0.1
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB2	15	0.1
(1,1739)	1:96:A:TYR:H	1:96:A:TYR:HB3	15	0.1
(1,1727)	1:23:A:TYR:HB2	1:72:A:VAL:H	12	0.1
(1,1727)	1:23:A:TYR:HB3	1:72:A:VAL:H	12	0.1
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	15	0.1
(1,1718)	1:66:A:ARG:H	1:155:A:THR:HA	16	0.1
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD2	13	0.1
(1,1676)	1:44:A:LYS:H	1:44:A:LYS:HD3	13	0.1
(1,1600)	1:231:A:ILE:HA	1:235:A:GLN:H	4	0.1
(1,1599)	1:235:A:GLN:H	1:237:A:LEU:H	14	0.1
(1,1579)	1:224:A:PHE:HB2	1:225:A:LYS:H	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1579)	1:224:A:PHE:HB3	1:225:A:LYS:H	12	0.1
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	3	0.1
(1,1524)	1:187:A:ASN:H	1:188:A:PHE:H	14	0.1
(1,1523)	1:178:A:TRP:HE3	1:188:A:PHE:H	13	0.1
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	9	0.1
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB2	9	0.1
(1,1474)	1:172:A:PHE:H	1:172:A:PHE:HB3	9	0.1
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD1	1	0.1
(1,1449)	1:160:A:PHE:H	1:160:A:PHE:HD2	1	0.1
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	6	0.1
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	6	0.1
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD3	6	0.1
(1,1424)	1:147:A:TYR:H	1:148:A:PRO:HD2	6	0.1
(1,1413)	1:25:A:TYR:H	1:25:A:TYR:HB3	7	0.1
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	13	0.1
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	13	0.1
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB2	13	0.1
(1,1378)	1:129:A:TRP:H	1:129:A:TRP:HB3	13	0.1
(1,1342)	1:119:A:GLU:H	1:231:A:ILE:HG21	17	0.1
(1,1342)	1:119:A:GLU:H	1:231:A:ILE:HG22	17	0.1
(1,1342)	1:119:A:GLU:H	1:231:A:ILE:HG23	17	0.1
(1,1316)	1:111:A:LYS:HA	1:113:A:LEU:H	2	0.1
(1,1289)	1:103:A:ILE:HA	1:106:A:ASP:H	4	0.1
(1,1289)	1:103:A:ILE:HA	1:106:A:ASP:H	15	0.1
(1,1263)	1:231:A:ILE:HG21	1:234:A:ILE:H	8	0.1
(1,1263)	1:231:A:ILE:HG22	1:234:A:ILE:H	8	0.1
(1,1263)	1:231:A:ILE:HG23	1:234:A:ILE:H	8	0.1
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB2	13	0.1
(1,1254)	1:98:A:ARG:H	1:99:A:ASP:HB3	13	0.1
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB2	2	0.1
(1,1221)	1:89:A:VAL:H	1:123:A:HIS:HB3	2	0.1
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	1	0.1
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	7	0.1
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	8	0.1
(1,1218)	1:88:A:VAL:H	1:89:A:VAL:H	15	0.1
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	8	0.1
(1,1214)	1:86:A:SER:H	1:86:A:SER:HB3	13	0.1
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	6	0.1
(1,1212)	1:84:A:TRP:HB2	1:86:A:SER:H	6	0.1
(1,1212)	1:84:A:TRP:HB3	1:86:A:SER:H	6	0.1
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE2	16	0.1
(1,1201)	1:83:A:LYS:H	1:83:A:LYS:HE3	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:209:A:ASN:H	1:210:A:ALA:H	6	0.1
(1,1137)	1:195:A:ALA:H	1:198:A:HIS:H	2	0.1
(1,1107)	1:176:A:GLU:H	1:177:A:ARG:H	2	0.1
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	8	0.1
(1,1102)	1:175:A:ASP:H	1:178:A:TRP:HE1	14	0.1
(1,1050)	1:90:A:THR:H	1:133:A:ASP:H	2	0.1
(1,993)	1:93:A:ILE:H	1:94:A:VAL:H	13	0.1
(1,992)	1:92:A:ARG:H	1:134:A:ILE:H	9	0.1
(1,981)	1:74:A:GLU:H	1:75:A:TYR:H	13	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	14	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	14	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	14	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD11	17	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD12	17	0.1
(1,956)	1:59:A:ILE:H	1:59:A:ILE:HD13	17	0.1
(1,948)	1:57:A:ARG:H	1:59:A:ILE:H	20	0.1
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	9	0.1
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	12	0.1
(1,922)	1:40:A:LYS:H	1:42:A:MET:H	16	0.1
(1,886)	1:15:A:ALA:H	1:17:A:ASP:H	6	0.1
(1,882)	1:11:A:GLN:H	1:13:A:GLU:H	10	0.1
(1,876)	1:235:A:GLN:HG2	1:239:A:GLY:HA3	6	0.1
(1,876)	1:235:A:GLN:HG3	1:239:A:GLY:HA3	6	0.1
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB2	3	0.1
(1,852)	1:228:A:GLN:H	1:230:A:ASP:HB3	3	0.1
(1,812)	1:178:A:TRP:HE3	1:188:A:PHE:HB2	5	0.1
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD11	12	0.1
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD12	12	0.1
(1,782)	1:230:A:ASP:H	1:231:A:ILE:HD13	12	0.1
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB2	4	0.1
(1,777)	1:128:A:VAL:H	1:129:A:TRP:HB3	4	0.1
(1,722)	1:97:A:THR:HG21	1:100:A:LEU:HB2	2	0.1
(1,722)	1:97:A:THR:HG22	1:100:A:LEU:HB2	2	0.1
(1,722)	1:97:A:THR:HG23	1:100:A:LEU:HB2	2	0.1
(1,638)	1:24:A:LEU:H	1:24:A:LEU:HG	14	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	11	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	11	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	11	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	11	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	19	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	19	0.1
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG2	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:19:A:LEU:HA	1:21:A:ARG:HG3	19	0.1
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD11	10	0.1
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD12	10	0.1
(1,619)	1:177:A:ARG:H	1:186:A:ILE:HD13	10	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	4	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	4	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	4	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	8	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	8	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	8	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD11	9	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD12	9	0.1
(1,613)	1:120:A:ILE:H	1:120:A:ILE:HD13	9	0.1
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD11	10	0.1
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD12	10	0.1
(1,610)	1:59:A:ILE:H	1:59:A:ILE:HD13	10	0.1
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB1	7	0.1
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB2	7	0.1
(1,545)	1:34:A:SER:HB2	1:37:A:ALA:HB3	7	0.1
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB1	7	0.1
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB2	7	0.1
(1,545)	1:34:A:SER:HB3	1:37:A:ALA:HB3	7	0.1
(1,525)	1:172:A:PHE:HE1	1:192:A:ALA:HA	18	0.1
(1,525)	1:172:A:PHE:HE2	1:192:A:ALA:HA	18	0.1
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG21	9	0.1
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG22	9	0.1
(1,510)	1:91:A:TYR:HA	1:134:A:ILE:HG23	9	0.1
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE2	10	0.1
(1,467)	1:61:A:ILE:HA	1:64:A:LYS:HE3	10	0.1
(1,465)	1:40:A:LYS:H	1:52:A:GLY:HA2	11	0.1
(1,461)	1:25:A:TYR:HB3	1:26:A:ASP:HA	11	0.1
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG12	15	0.1
(1,399)	1:91:A:TYR:HB3	1:136:A:ILE:HG13	15	0.1
(1,389)	1:40:A:LYS:HB2	1:41:A:GLU:HA	3	0.1
(1,389)	1:40:A:LYS:HB3	1:41:A:GLU:HA	3	0.1
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG2	10	0.1
(1,340)	1:64:A:LYS:H	1:64:A:LYS:HG3	10	0.1
(1,259)	1:222:A:GLN:HB3	1:223:A:ASN:H	16	0.1
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	18	0.1
(1,237)	1:154:A:ASN:HB2	1:155:A:THR:H	18	0.1
(1,237)	1:154:A:ASN:HB3	1:155:A:THR:H	18	0.1
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	7	0.1
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	7	0.1
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB1	7	0.1
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB2	7	0.1
(1,204)	1:79:A:PRO:HG2	1:161:A:ALA:HB3	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB1	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB2	7	0.1
(1,204)	1:79:A:PRO:HG3	1:161:A:ALA:HB3	7	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	5	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	5	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	5	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	5	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	5	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	5	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB1	17	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB2	17	0.1
(1,195)	1:172:A:PHE:HE1	1:192:A:ALA:HB3	17	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB1	17	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB2	17	0.1
(1,195)	1:172:A:PHE:HE2	1:192:A:ALA:HB3	17	0.1
(1,111)	1:111:A:LYS:HA	1:114:A:ASN:H	7	0.1
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG2	17	0.1
(1,77)	1:98:A:ARG:HA	1:98:A:ARG:HG3	17	0.1
(1,14)	1:91:A:TYR:HD1	1:134:A:ILE:HB	12	0.1
(1,14)	1:91:A:TYR:HD2	1:134:A:ILE:HB	12	0.1

10 Dihedral-angle violation analysis [i](#)

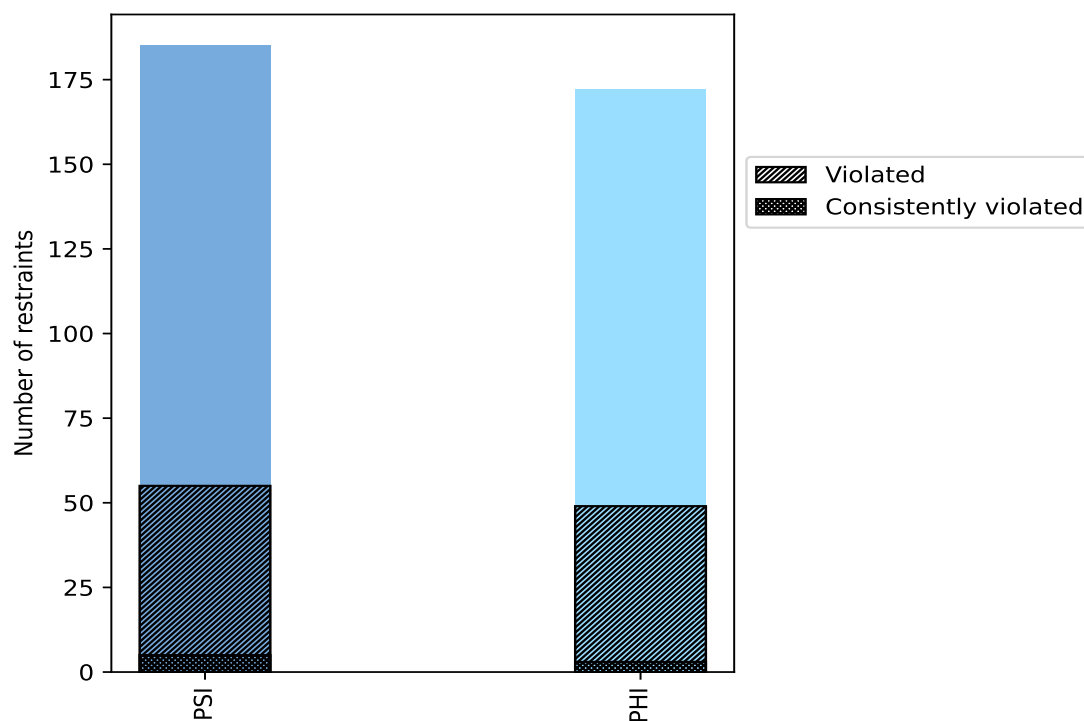
10.1 Summary of dihedral-angle violations [i](#)

The following table provides the summary of dihedral-angle violations in different dihedral-angle types. Violations less than 1° are not included in the calculation.

Angle type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
PSI	185	51.8	55	29.7	15.4	5	2.7	1.4
PHI	172	48.2	49	28.5	13.7	3	1.7	0.8
Total	357	100.0	104	29.1	29.1	8	2.2	2.2

¹ percentage calculated with respect to total number of dihedral-angle restraints, ² percentage calculated with respect to number of restraints in a particular dihedral-angle type, ³ violated in at least one model, ⁴ violated in all the models

10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



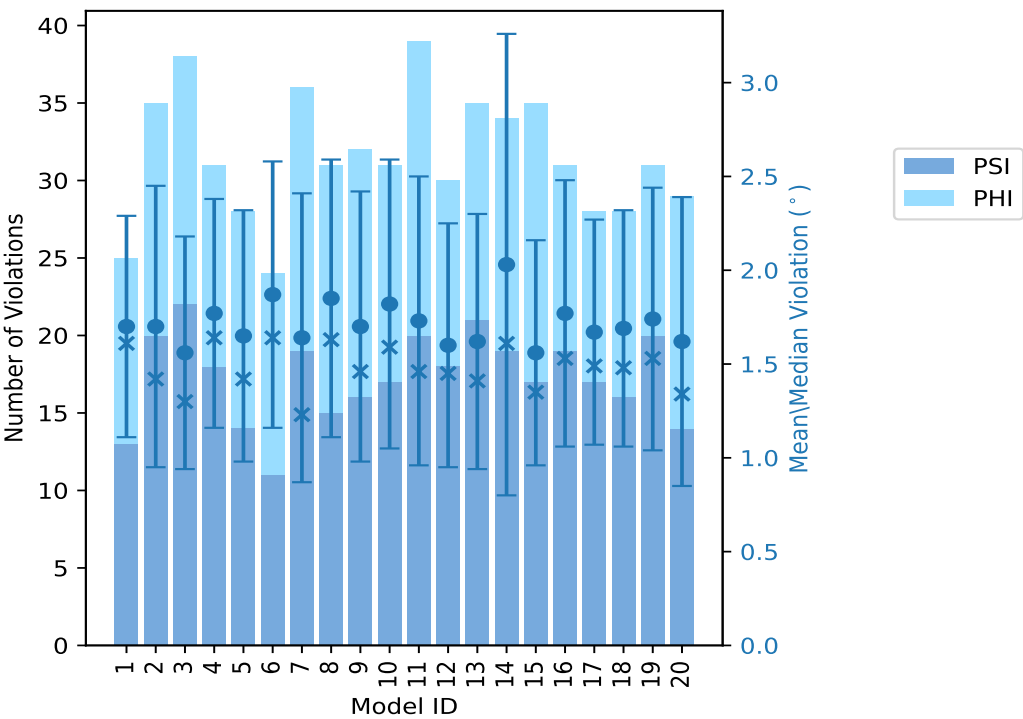
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model

The following table provides the dihedral-angle violation statistics for each model in the ensemble. Violations less than 1° are not included in the statistics.

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	13	12	25	1.7	3.72	0.59	1.61
2	20	15	35	1.7	3.47	0.75	1.42
3	22	16	38	1.56	3.48	0.62	1.3
4	18	13	31	1.77	3.23	0.61	1.64
5	14	14	28	1.65	4.19	0.67	1.42
6	11	13	24	1.87	3.93	0.71	1.64
7	19	17	36	1.64	4.18	0.77	1.23
8	15	16	31	1.85	4.03	0.74	1.63
9	16	16	32	1.7	3.26	0.72	1.46
10	17	14	31	1.82	3.93	0.77	1.59
11	20	19	39	1.73	4.17	0.77	1.46
12	18	12	30	1.6	4.16	0.65	1.45
13	21	14	35	1.62	3.9	0.68	1.41
14	19	15	34	2.03	6.87	1.23	1.61
15	17	18	35	1.56	3.41	0.6	1.35
16	19	12	31	1.77	3.56	0.71	1.53
17	17	11	28	1.67	3.83	0.6	1.49
18	16	12	28	1.69	3.84	0.63	1.48
19	20	11	31	1.74	4.3	0.7	1.53
20	14	15	29	1.62	4.06	0.77	1.34

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



The mean(dot),median(x) and the standard deviation are shown in blue with respect to the y axis on the right

10.3 Dihedral-angle violation statistics for the ensemble ⓘ

Violation analysis may find that some restraints are violated in very few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of ensemble.

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
18	12	30	1	5.0
8	9	17	2	10.0
5	6	11	3	15.0
1	5	6	4	20.0
1	1	2	5	25.0
3	4	7	6	30.0
2	1	3	7	35.0
1	1	2	8	40.0
1	0	1	9	45.0
2	0	2	10	50.0
1	0	1	11	55.0

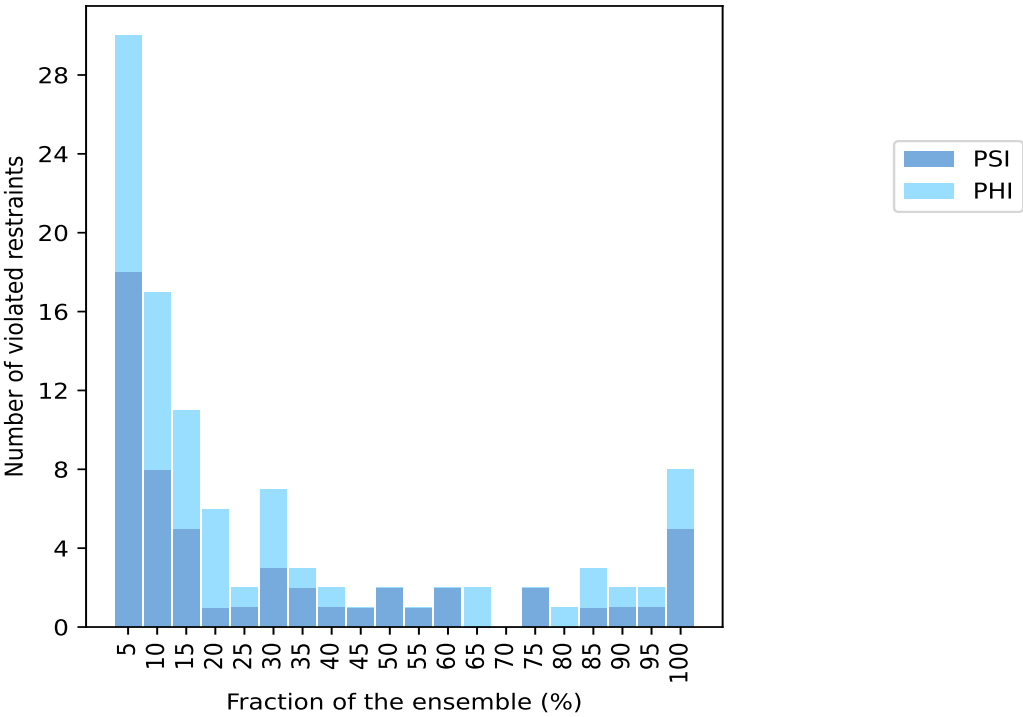
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Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count ¹	%
2	0	2	12	60.0
0	2	2	13	65.0
0	0	0	14	70.0
2	0	2	15	75.0
0	1	1	16	80.0
1	2	3	17	85.0
1	1	2	18	90.0
1	1	2	19	95.0
5	3	8	20	100.0

¹ Number of models with violations

10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble ⓘ

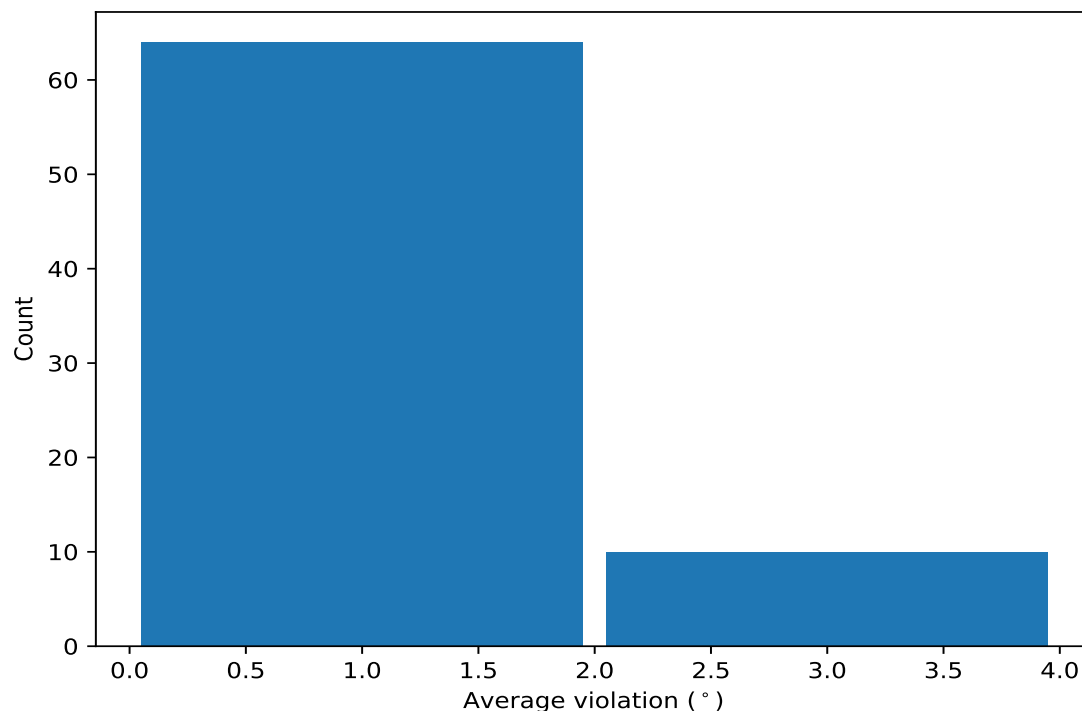


10.4 Most violated dihedral-angle restraints in the ensemble ⓘ

10.4.1 Histogram : Distribution of mean dihedral-angle violations ⓘ

The following histogram shows the distribution of the average value of the violation. The average is calculated for each restraint that is violated in more than one model over all the violated models

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints [i](#)

The following table provides the mean and the standard deviation of the violation for each restraint sorted by number of violated models and the mean value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	20	3.73	0.48	3.84
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	20	2.82	0.32	2.94
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	20	2.7	0.26	2.72
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	20	2.14	0.51	2.05
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	20	2.11	0.59	2.12
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	20	1.88	0.44	1.92
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	20	1.69	0.24	1.65
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	20	1.41	0.17	1.4
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	19	1.81	0.38	1.9
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	19	1.22	0.22	1.13
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	18	1.67	0.5	1.64
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	18	1.31	0.22	1.23
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	17	1.59	0.46	1.47
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	17	1.46	0.23	1.44
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	17	1.39	0.23	1.3
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	16	1.74	0.47	1.67
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	15	1.53	0.48	1.46
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	15	1.49	0.38	1.64
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	13	2.53	0.83	2.5
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	13	1.27	0.24	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	12	2.42	1.08	2.45
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	12	1.31	0.25	1.31
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	11	1.33	0.27	1.23
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	10	2.36	1.63	1.78
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	10	1.32	0.19	1.31
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	9	1.93	0.57	1.71
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	8	1.74	0.4	1.68
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	8	1.08	0.06	1.06
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	7	1.64	0.57	1.42
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	7	1.46	0.55	1.27
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	7	1.3	0.33	1.12
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	6	1.46	0.17	1.5
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	6	1.43	0.1	1.44
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	6	1.37	0.14	1.38
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	6	1.32	0.28	1.22
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	6	1.27	0.2	1.18
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	6	1.25	0.14	1.22
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	6	1.16	0.05	1.16
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	5	1.84	0.75	1.6
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	5	1.12	0.1	1.12
(1,79)	1:45:A:PHE:C	1:46:A:PHE:N	1:46:A:PHE:CA	1:46:A:PHE:C	4	1.76	0.58	1.72
(1,221)	1:139:A:ALA:C	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	4	1.54	0.54	1.38
(1,172)	1:110:A:SER:C	1:111:A:LYS:N	1:111:A:LYS:CA	1:111:A:LYS:C	4	1.28	0.06	1.28
(1,59)	1:35:A:LEU:C	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	4	1.27	0.18	1.28
(1,100)	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	1:62:A:MET:N	4	1.19	0.11	1.2
(1,166)	1:107:A:ARG:C	1:108:A:LEU:N	1:108:A:LEU:CA	1:108:A:LEU:C	4	1.12	0.07	1.12
(1,60)	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	1:37:A:ALA:N	3	2.06	0.23	2.22
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:PHE:N	3	1.8	0.37	1.63
(1,231)	1:153:A:GLY:C	1:154:A:ASN:N	1:154:A:ASN:CA	1:154:A:ASN:C	3	1.39	0.18	1.33
(1,238)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:PRO:N	3	1.26	0.18	1.29
(1,305)	1:206:A:SER:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	3	1.16	0.04	1.17
(1,203)	1:126:A:LYS:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	3	1.16	0.13	1.09
(1,69)	1:40:A:LYS:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	3	1.14	0.09	1.09
(1,309)	1:210:A:ALA:N	1:210:A:ALA:CA	1:210:A:ALA:C	1:211:A:VAL:N	3	1.13	0.12	1.07
(1,268)	1:185:A:GLY:C	1:186:A:ILE:N	1:186:A:ILE:CA	1:186:A:ILE:C	3	1.13	0.04	1.13
(1,347)	1:236:A:LYS:C	1:237:A:LEU:N	1:237:A:LEU:CA	1:237:A:LEU:C	3	1.11	0.02	1.12
(1,265)	1:182:A:SER:N	1:182:A:SER:CA	1:182:A:SER:C	1:183:A:SER:N	3	1.08	0.08	1.04
(1,36)	1:21:A:ARG:C	1:22:A:PHE:N	1:22:A:PHE:CA	1:22:A:PHE:C	2	3.26	1.84	3.26
(1,219)	1:138:A:PHE:N	1:138:A:PHE:CA	1:138:A:PHE:C	1:139:A:ALA:N	2	1.65	0.37	1.65
(1,355)	1:142:A:ALA:N	1:142:A:ALA:CA	1:142:A:ALA:C	1:143:A:HIS:N	2	1.47	0.2	1.47
(1,341)	1:233:A:GLY:C	1:234:A:ILE:N	1:234:A:ILE:CA	1:234:A:ILE:C	2	1.4	0.02	1.4
(1,77)	1:44:A:LYS:C	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	2	1.31	0.11	1.31
(1,325)	1:224:A:PHE:C	1:225:A:LYS:N	1:225:A:LYS:CA	1:225:A:LYS:C	2	1.3	0.1	1.3
(1,55)	1:33:A:ASN:C	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	2	1.3	0.07	1.3
(1,332)	1:229:A:ASP:N	1:229:A:ASP:CA	1:229:A:ASP:C	1:230:A:ASP:N	2	1.26	0.14	1.26
(1,279)	1:191:A:ALA:N	1:191:A:ALA:CA	1:191:A:ALA:C	1:192:A:ALA:N	2	1.25	0.15	1.25
(1,68)	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	1:41:A:GLU:N	2	1.2	0.11	1.2
(1,209)	1:131:A:THR:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	2	1.18	0.0	1.18
(1,282)	1:192:A:ALA:C	1:193:A:THR:N	1:193:A:THR:CA	1:193:A:THR:C	2	1.14	0.1	1.14
(1,39)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	2	1.14	0.08	1.14
(1,344)	1:235:A:GLN:N	1:235:A:GLN:CA	1:235:A:GLN:C	1:236:A:LYS:N	2	1.13	0.03	1.13

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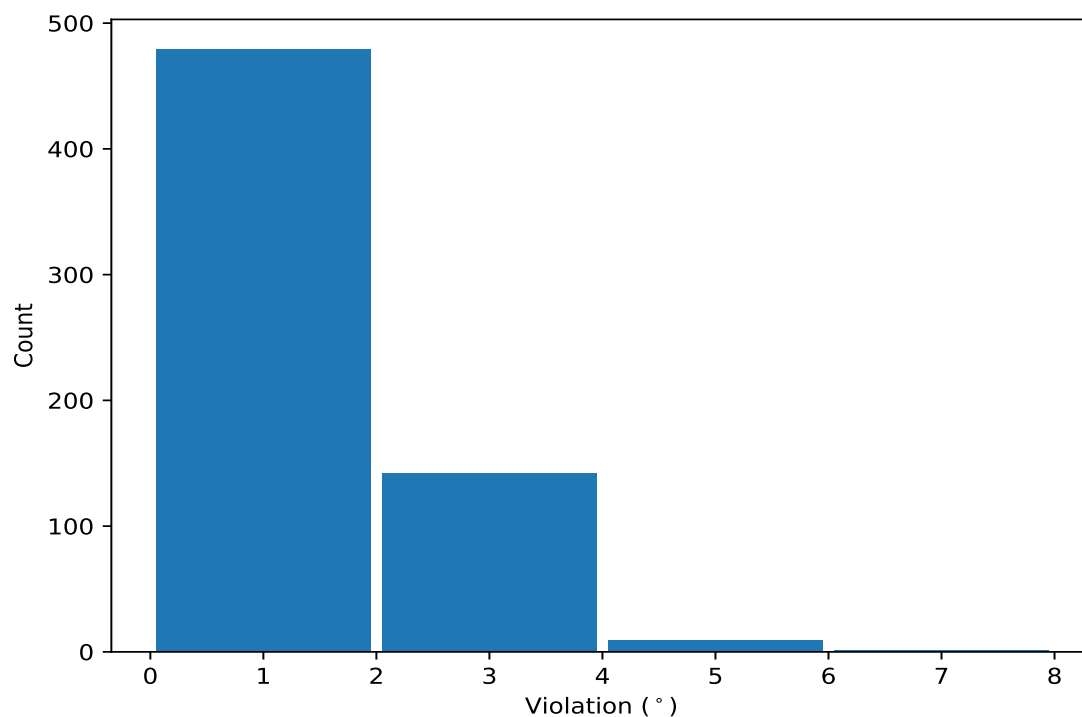
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models ¹	Mean	SD ²	Median
(1,280)	1:191:A:ALA:C	1:192:A:ALA:N	1:192:A:ALA:CA	1:192:A:ALA:C	2	1.12	0.1	1.12
(1,107)	1:66:A:ARG:C	1:67:A:CYS:N	1:67:A:CYS:CA	1:67:A:CYS:C	2	1.08	0.06	1.08
(1,304)	1:206:A:SER:N	1:206:A:SER:CA	1:206:A:SER:C	1:207:A:ASP:N	2	1.04	0.04	1.04

¹ Number of violated models, ²Standard deviation, All angle values are in degree (°)

10.5 All violated dihedral-angle restraints [i](#)

10.5.1 Histogram : Distribution of violations [i](#)

The following histogram shows the distribution of the absolute value of the violation for all violated restraints in the ensemble.



10.5.2 Table: All violated dihedral-angle restraints [i](#)

The following table lists the absolute value of the violation for each restraint in the ensemble sorted by its value. The Key (restraint list ID, restraint ID) is the unique identifier for a given restraint.

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	14	6.87
(1,36)	1:21:A:ARG:C	1:22:A:PHE:N	1:22:A:PHE:CA	1:22:A:PHE:C	14	5.09
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	14	4.59
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	19	4.3

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	5	4.19
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	7	4.18
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	11	4.17
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	12	4.16
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	20	4.06
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	8	4.03
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	11	3.95
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	10	3.93
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	6	3.93
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	13	3.9
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	18	3.84
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	17	3.83
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	1	3.72
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	16	3.56
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	10	3.55
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	16	3.54
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	3	3.48
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	2	3.47
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	2	3.45
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	2	3.42
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	13	3.41
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	15	3.41
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	16	3.35
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	13	3.3
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	19	3.28
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	9	3.26
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	7	3.25
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	8	3.25
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	4	3.23
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	9	3.21
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	10	3.2
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	20	3.19
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	4	3.12
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	6	3.12
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	9	3.09
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	7	3.09
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	20	3.07
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	9	3.07
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	4	3.07
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	9	3.06
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	15	3.01
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	14	3.0
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	11	2.99
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	11	2.98
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	6	2.97
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	3	2.97
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	3	2.96
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	10	2.95
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	19	2.95
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	15	2.94
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	10	2.93

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	8	2.9
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	2	2.87
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	2	2.82
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	8	2.81
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	7	2.8
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	11	2.77
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	18	2.75
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	8	2.75
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	6	2.73
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	5	2.73
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	2	2.72
(1,234)	1:157:A:ALA:N	1:157:A:ALA:CA	1:157:A:ALA:C	1:158:A:HIS:N	15	2.72
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	1	2.7
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	16	2.7
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	17	2.7
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	18	2.7
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	14	2.66
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	20	2.66
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	20	2.63
(1,79)	1:45:A:PHE:C	1:46:A:PHE:N	1:46:A:PHE:CA	1:46:A:PHE:C	7	2.63
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	5	2.61
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	10	2.61
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	14	2.59
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	4	2.55
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	3	2.53
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	14	2.53
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	4	2.5
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	18	2.49
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	19	2.49
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	9	2.48
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	10	2.48
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	3	2.48
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	13	2.48
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	7	2.47
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	18	2.46
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	2	2.44
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	12	2.44
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	14	2.43
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	11	2.42
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	19	2.41
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	4	2.41
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	8	2.4
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	6	2.39
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	16	2.39
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	12	2.36
(1,221)	1:139:A:ALA:C	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	8	2.36
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	11	2.35
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	1	2.35
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	8	2.34
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	1	2.34
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	11	2.32

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	16	2.32
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	12	2.32
(1,193)	1:18:A:TYR:C	1:19:A:LEU:N	1:19:A:LEU:CA	1:19:A:LEU:C	6	2.31
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:PHE:N	7	2.31
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	8	2.3
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	11	2.29
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	2	2.27
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	17	2.27
(1,165)	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1:108:A:LEU:N	5	2.27
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	6	2.26
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	7	2.25
(1,60)	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	1:37:A:ALA:N	3	2.23
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	14	2.22
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	4	2.22
(1,60)	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	1:37:A:ALA:N	17	2.22
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	11	2.21
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	9	2.21
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	16	2.2
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	5	2.19
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	19	2.19
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	8	2.19
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	16	2.19
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	9	2.19
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	15	2.18
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	5	2.16
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	20	2.16
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	13	2.14
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	12	2.14
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	7	2.13
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	14	2.13
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	17	2.12
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	18	2.12
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	16	2.12
(1,168)	1:108:A:LEU:C	1:109:A:VAL:N	1:109:A:VAL:CA	1:109:A:VAL:C	13	2.11
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	11	2.08
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	17	2.07
(1,30)	1:17:A:ASP:C	1:18:A:TYR:N	1:18:A:TYR:CA	1:18:A:TYR:C	6	2.07
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	16	2.06
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	8	2.06
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	9	2.05
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	2	2.04
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	12	2.03
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	14	2.02
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	20	2.02
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	17	2.02
(1,219)	1:138:A:PHE:N	1:138:A:PHE:CA	1:138:A:PHE:C	1:139:A:ALA:N	8	2.02
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	19	1.99
(1,183)	1:116:A:TRP:C	1:117:A:GLY:N	1:117:A:GLY:CA	1:117:A:GLY:C	12	1.99
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	14	1.99
(1,343)	1:234:A:ILE:C	1:235:A:GLN:N	1:235:A:GLN:CA	1:235:A:GLN:C	19	1.97
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	1	1.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	7	1.97
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	12	1.96
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	5	1.96
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	3	1.95
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	17	1.95
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	3	1.94
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	13	1.92
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1	1.92
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	4	1.92
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	6	1.92
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	10	1.92
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	1	1.91
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	10	1.91
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	4	1.9
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	5	1.9
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	11	1.89
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	14	1.89
(1,147)	1:96:A:TYR:C	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	8	1.89
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	15	1.88
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	10	1.87
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	7	1.87
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	4	1.87
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	12	1.87
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	4	1.87
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	3	1.86
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	4	1.86
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	3	1.86
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	6	1.86
(1,94)	1:57:A:ARG:C	1:58:A:VAL:N	1:58:A:VAL:CA	1:58:A:VAL:C	17	1.86
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	14	1.85
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	15	1.85
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	14	1.85
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	8	1.85
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	17	1.84
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	3	1.84
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	19	1.84
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	4	1.84
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	1	1.83
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	1	1.83
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	18	1.83
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	11	1.82
(1,342)	1:234:A:ILE:N	1:234:A:ILE:CA	1:234:A:ILE:C	1:235:A:GLN:N	19	1.8
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	3	1.8
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	12	1.8
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	10	1.79
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	12	1.78
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	6	1.78
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	4	1.78
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	2	1.78
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	4	1.77
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	9	1.77

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	11	1.76
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	5	1.74
(1,60)	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	1:37:A:ALA:N	15	1.74
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	18	1.72
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	2	1.72
(1,79)	1:45:A:PHE:C	1:46:A:PHE:N	1:46:A:PHE:CA	1:46:A:PHE:C	10	1.72
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	19	1.71
(1,221)	1:139:A:ALA:C	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	17	1.71
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	20	1.71
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	15	1.71
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	2	1.71
(1,79)	1:45:A:PHE:C	1:46:A:PHE:N	1:46:A:PHE:CA	1:46:A:PHE:C	11	1.71
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	7	1.7
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	3	1.7
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	15	1.7
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	13	1.7
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	6	1.7
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	3	1.7
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	13	1.68
(1,355)	1:142:A:ALA:N	1:142:A:ALA:CA	1:142:A:ALA:C	1:143:A:HIS:N	13	1.67
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	1	1.67
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	8	1.67
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	14	1.67
(1,323)	1:223:A:ASN:N	1:223:A:ASN:CA	1:223:A:ASN:C	1:224:A:PHE:N	16	1.67
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	18	1.66
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	19	1.66
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	10	1.66
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	2	1.66
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	16	1.66
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	16	1.66
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	5	1.65
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	17	1.65
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	2	1.65
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	7	1.65
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	16	1.65
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	1	1.65
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	13	1.65
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	10	1.65
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	14	1.65
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	9	1.65
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	18	1.64
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	12	1.64
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	11	1.64
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	4	1.64
(1,231)	1:153:A:GLY:C	1:154:A:ASN:N	1:154:A:ASN:CA	1:154:A:ASN:C	9	1.63
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	8	1.63
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	8	1.63
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:PHE:N	11	1.63
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	15	1.62
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	15	1.62
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	4	1.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	1	1.62
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	9	1.61
(1,225)	1:146:A:SER:N	1:146:A:SER:CA	1:146:A:SER:C	1:147:A:TYR:N	13	1.61
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	4	1.61
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	1	1.61
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	16	1.6
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	18	1.6
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	18	1.6
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	5	1.59
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	10	1.59
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	10	1.59
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	10	1.59
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	1	1.58
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	8	1.58
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	19	1.58
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	6	1.57
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	14	1.57
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	19	1.57
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	4	1.56
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	8	1.56
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	11	1.54
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	17	1.54
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	5	1.54
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	13	1.54
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	19	1.54
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	10	1.53
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	16	1.53
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	10	1.53
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	7	1.53
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	17	1.53
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	2	1.53
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	6	1.53
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	12	1.53
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	3	1.53
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	19	1.53
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	6	1.52
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	1	1.52
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	9	1.52
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	16	1.52
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	18	1.52
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	4	1.51
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	20	1.51
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	20	1.5
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	12	1.5
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	14	1.5
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	15	1.5
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	9	1.5
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	1	1.49
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	18	1.49
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	1	1.49
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	4	1.48

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	2	1.48
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	18	1.48
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	13	1.48
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	18	1.48
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	19	1.47
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	9	1.47
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	11	1.47
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	14	1.46
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	13	1.46
(1,238)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:PRO:N	14	1.46
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	11	1.46
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	16	1.46
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	14	1.46
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	12	1.46
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	18	1.45
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	20	1.45
(1,111)	1:69:A:VAL:N	1:69:A:VAL:CA	1:69:A:VAL:C	1:70:A:PRO:N	17	1.45
(1,78)	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	1:46:A:PHE:N	10	1.45
(1,59)	1:35:A:LEU:C	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	9	1.45
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	19	1.44
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	10	1.44
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	1	1.44
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	12	1.44
(1,114)	1:72:A:VAL:N	1:72:A:VAL:CA	1:72:A:VAL:C	1:73:A:ALA:N	17	1.44
(1,59)	1:35:A:LEU:C	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	14	1.44
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	5	1.43
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	18	1.43
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	19	1.43
(1,341)	1:233:A:GLY:C	1:234:A:ILE:N	1:234:A:ILE:CA	1:234:A:ILE:C	18	1.42
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	17	1.42
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	13	1.42
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	3	1.42
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	2	1.42
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	2	1.42
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	19	1.42
(1,77)	1:44:A:LYS:C	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	5	1.42
(1,36)	1:21:A:ARG:C	1:22:A:PHE:N	1:22:A:PHE:CA	1:22:A:PHE:C	15	1.42
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	16	1.41
(1,325)	1:224:A:PHE:C	1:225:A:LYS:N	1:225:A:LYS:CA	1:225:A:LYS:C	14	1.41
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	13	1.41
(1,279)	1:191:A:ALA:N	1:191:A:ALA:CA	1:191:A:ALA:C	1:192:A:ALA:N	13	1.41
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	3	1.41
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	15	1.41
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	12	1.41
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	10	1.41
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	5	1.41
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	10	1.41
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	2	1.41
(1,332)	1:229:A:ASP:N	1:229:A:ASP:CA	1:229:A:ASP:C	1:230:A:ASP:N	13	1.4
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	17	1.4
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	11	1.4

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	18	1.4
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	9	1.4
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	20	1.4
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	15	1.4
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	17	1.39
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	6	1.39
(1,98)	1:60:A:GLU:N	1:60:A:GLU:CA	1:60:A:GLU:C	1:61:A:ILE:N	8	1.39
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	14	1.39
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	5	1.38
(1,341)	1:233:A:GLY:C	1:234:A:ILE:N	1:234:A:ILE:CA	1:234:A:ILE:C	12	1.37
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	6	1.37
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	17	1.37
(1,55)	1:33:A:ASN:C	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	14	1.37
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	15	1.36
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	20	1.35
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	5	1.35
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	15	1.35
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	20	1.35
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	15	1.34
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	13	1.34
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	20	1.34
(1,255)	1:175:A:ASP:N	1:175:A:ASP:CA	1:175:A:ASP:C	1:176:A:GLU:N	8	1.34
(1,203)	1:126:A:LYS:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	17	1.34
(1,172)	1:110:A:SER:C	1:111:A:LYS:N	1:111:A:LYS:CA	1:111:A:LYS:C	7	1.34
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	6	1.34
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	3	1.33
(1,231)	1:153:A:GLY:C	1:154:A:ASN:N	1:154:A:ASN:CA	1:154:A:ASN:C	2	1.33
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	15	1.33
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	16	1.33
(1,172)	1:110:A:SER:C	1:111:A:LYS:N	1:111:A:LYS:CA	1:111:A:LYS:C	16	1.33
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	18	1.33
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	10	1.32
(1,100)	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	1:62:A:MET:N	5	1.32
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	3	1.31
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	15	1.31
(1,226)	1:148:A:PRO:N	1:148:A:PRO:CA	1:148:A:PRO:C	1:149:A:PHE:N	8	1.31
(1,68)	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	1:41:A:GLU:N	4	1.31
(1,309)	1:210:A:ALA:N	1:210:A:ALA:CA	1:210:A:ALA:C	1:211:A:VAL:N	6	1.3
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	7	1.3
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	2	1.3
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	19	1.29
(1,238)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:PRO:N	19	1.29
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	19	1.29
(1,357)	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	1:141:A:GLY:N	11	1.28
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	15	1.28
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	3	1.28
(1,219)	1:138:A:PHE:N	1:138:A:PHE:CA	1:138:A:PHE:C	1:139:A:ALA:N	2	1.28
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	19	1.28
(1,355)	1:142:A:ALA:N	1:142:A:ALA:CA	1:142:A:ALA:C	1:143:A:HIS:N	3	1.27
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	9	1.27
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	5	1.27

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	1	1.27
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	14	1.27
(1,100)	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	1:62:A:MET:N	3	1.27
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	6	1.27
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	19	1.27
(1,69)	1:40:A:LYS:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	4	1.27
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	15	1.26
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	3	1.26
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	7	1.26
(1,282)	1:192:A:ALA:C	1:193:A:THR:N	1:193:A:THR:CA	1:193:A:THR:C	5	1.25
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	13	1.25
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	13	1.25
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	19	1.25
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	7	1.25
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	15	1.24
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	9	1.24
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	6	1.24
(1,172)	1:110:A:SER:C	1:111:A:LYS:N	1:111:A:LYS:CA	1:111:A:LYS:C	11	1.24
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	13	1.24
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	6	1.23
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	20	1.23
(1,280)	1:191:A:ALA:C	1:192:A:ALA:N	1:192:A:ALA:CA	1:192:A:ALA:C	13	1.23
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	3	1.23
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	13	1.23
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	11	1.23
(1,55)	1:33:A:ASN:C	1:34:A:SER:N	1:34:A:SER:CA	1:34:A:SER:C	18	1.23
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	9	1.22
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	17	1.22
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1	1.22
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	7	1.22
(1,166)	1:107:A:ARG:C	1:108:A:LEU:N	1:108:A:LEU:CA	1:108:A:LEU:C	8	1.22
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	7	1.22
(1,39)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	14	1.22
(1,305)	1:206:A:SER:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	11	1.21
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	16	1.21
(1,230)	1:152:A:PRO:C	1:153:A:GLY:N	1:153:A:GLY:CA	1:153:A:GLY:C	8	1.21
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	7	1.21
(1,191)	1:106:A:ASP:C	1:107:A:ARG:N	1:107:A:ARG:CA	1:107:A:ARG:C	20	1.21
(1,172)	1:110:A:SER:C	1:111:A:LYS:N	1:111:A:LYS:CA	1:111:A:LYS:C	8	1.21
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	2	1.21
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	9	1.21
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	13	1.21
(1,325)	1:224:A:PHE:C	1:225:A:LYS:N	1:225:A:LYS:CA	1:225:A:LYS:C	16	1.2
(1,265)	1:182:A:SER:N	1:182:A:SER:CA	1:182:A:SER:C	1:183:A:SER:N	20	1.2
(1,231)	1:153:A:GLY:C	1:154:A:ASN:N	1:154:A:ASN:CA	1:154:A:ASN:C	11	1.2
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	11	1.2
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	5	1.2
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	17	1.2
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	5	1.2
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	19	1.2
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	14	1.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,77)	1:44:A:LYS:C	1:45:A:PHE:N	1:45:A:PHE:CA	1:45:A:PHE:C	9	1.2
(1,71)	1:41:A:GLU:C	1:42:A:MET:N	1:42:A:MET:CA	1:42:A:MET:C	5	1.2
(1,328)	1:226:A:LEU:N	1:226:A:LEU:CA	1:226:A:LEU:C	1:227:A:SER:N	20	1.19
(1,312)	1:212:A:MET:C	1:213:A:TYR:N	1:213:A:TYR:CA	1:213:A:TYR:C	11	1.19
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	19	1.19
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	16	1.19
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	16	1.19
(1,268)	1:185:A:GLY:C	1:186:A:ILE:N	1:186:A:ILE:CA	1:186:A:ILE:C	20	1.18
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	11	1.18
(1,209)	1:131:A:THR:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	4	1.18
(1,209)	1:131:A:THR:C	1:132:A:ALA:N	1:132:A:ALA:CA	1:132:A:ALA:C	13	1.18
(1,74)	1:43:A:GLN:N	1:43:A:GLN:CA	1:43:A:GLN:C	1:44:A:LYS:N	19	1.18
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	13	1.17
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	19	1.17
(1,305)	1:206:A:SER:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	2	1.17
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	18	1.17
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	15	1.17
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	13	1.17
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	9	1.16
(1,344)	1:235:A:GLN:N	1:235:A:GLN:CA	1:235:A:GLN:C	1:236:A:LYS:N	2	1.16
(1,335)	1:230:A:ASP:C	1:231:A:ILE:N	1:231:A:ILE:CA	1:231:A:ILE:C	16	1.16
(1,260)	1:179:A:THR:N	1:179:A:THR:CA	1:179:A:THR:C	1:180:A:ASP:N	16	1.16
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	4	1.16
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	4	1.16
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	11	1.16
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	4	1.15
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	15	1.15
(1,177)	1:113:A:LEU:C	1:114:A:ASN:N	1:114:A:ASN:CA	1:114:A:ASN:C	11	1.15
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	7	1.15
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	11	1.15
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	10	1.15
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	1	1.15
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	16	1.15
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	4	1.14
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	3	1.14
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	20	1.14
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	13	1.14
(1,166)	1:107:A:ARG:C	1:108:A:LEU:N	1:108:A:LEU:CA	1:108:A:LEU:C	7	1.14
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	7	1.14
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	1	1.14
(1,107)	1:66:A:ARG:C	1:67:A:CYS:N	1:67:A:CYS:CA	1:67:A:CYS:C	15	1.14
(1,347)	1:236:A:LYS:C	1:237:A:LEU:N	1:237:A:LEU:CA	1:237:A:LEU:C	8	1.13
(1,332)	1:229:A:ASP:N	1:229:A:ASP:CA	1:229:A:ASP:C	1:230:A:ASP:N	11	1.13
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	12	1.13
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	7	1.13
(1,268)	1:185:A:GLY:C	1:186:A:ILE:N	1:186:A:ILE:CA	1:186:A:ILE:C	18	1.13
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	2	1.13
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	4	1.13
(1,66)	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	1:40:A:LYS:N	5	1.13
(1,347)	1:236:A:LYS:C	1:237:A:LEU:N	1:237:A:LEU:CA	1:237:A:LEU:C	15	1.12
(1,334)	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	1:231:A:ILE:N	9	1.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,315)	1:214:A:PRO:C	1:215:A:THR:N	1:215:A:THR:CA	1:215:A:THR:C	15	1.12
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	11	1.12
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	9	1.12
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	13	1.12
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	13	1.12
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	15	1.12
(1,100)	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	1:62:A:MET:N	4	1.12
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	16	1.12
(1,59)	1:35:A:LEU:C	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	7	1.12
(1,305)	1:206:A:SER:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	3	1.11
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	18	1.11
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	19	1.11
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	12	1.11
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	11	1.11
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	14	1.11
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	16	1.11
(1,142)	1:94:A:VAL:N	1:94:A:VAL:CA	1:94:A:VAL:C	1:95:A:SER:N	11	1.11
(1,344)	1:235:A:GLN:N	1:235:A:GLN:CA	1:235:A:GLN:C	1:236:A:LYS:N	18	1.1
(1,294)	1:199:A:SER:N	1:199:A:SER:CA	1:199:A:SER:C	1:200:A:LEU:N	13	1.1
(1,284)	1:193:A:THR:C	1:194:A:HIS:N	1:194:A:HIS:CA	1:194:A:HIS:C	12	1.1
(1,279)	1:191:A:ALA:N	1:191:A:ALA:CA	1:191:A:ALA:C	1:192:A:ALA:N	7	1.1
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	3	1.1
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	7	1.1
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	3	1.1
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	12	1.1
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	12	1.1
(1,166)	1:107:A:ARG:C	1:108:A:LEU:N	1:108:A:LEU:CA	1:108:A:LEU:C	3	1.1
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	6	1.1
(1,329)	1:226:A:LEU:C	1:227:A:SER:N	1:227:A:SER:CA	1:227:A:SER:C	15	1.09
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	6	1.09
(1,203)	1:126:A:LYS:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	8	1.09
(1,176)	1:113:A:LEU:N	1:113:A:LEU:CA	1:113:A:LEU:C	1:114:A:ASN:N	18	1.09
(1,129)	1:87:A:LYS:N	1:87:A:LYS:CA	1:87:A:LYS:C	1:88:A:VAL:N	9	1.09
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	10	1.09
(1,69)	1:40:A:LYS:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	10	1.09
(1,68)	1:40:A:LYS:N	1:40:A:LYS:CA	1:40:A:LYS:C	1:41:A:GLU:N	10	1.09
(1,347)	1:236:A:LYS:C	1:237:A:LEU:N	1:237:A:LEU:CA	1:237:A:LEU:C	2	1.08
(1,345)	1:235:A:GLN:C	1:236:A:LYS:N	1:236:A:LYS:CA	1:236:A:LYS:C	14	1.08
(1,333)	1:229:A:ASP:C	1:230:A:ASP:N	1:230:A:ASP:CA	1:230:A:ASP:C	13	1.08
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	7	1.08
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	14	1.08
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	5	1.08
(1,115)	1:72:A:VAL:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	9	1.08
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	7	1.08
(1,72)	1:42:A:MET:N	1:42:A:MET:CA	1:42:A:MET:C	1:43:A:GLN:N	13	1.08
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	20	1.08
(1,2)	1:21:A:ARG:N	1:21:A:ARG:CA	1:21:A:ARG:C	1:22:A:PHE:N	12	1.08
(1,309)	1:210:A:ALA:N	1:210:A:ALA:CA	1:210:A:ALA:C	1:211:A:VAL:N	9	1.07
(1,304)	1:206:A:SER:N	1:206:A:SER:CA	1:206:A:SER:C	1:207:A:ASP:N	2	1.07
(1,268)	1:185:A:GLY:C	1:186:A:ILE:N	1:186:A:ILE:CA	1:186:A:ILE:C	7	1.07
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	2	1.07

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	20	1.07
(1,149)	1:97:A:THR:C	1:98:A:ARG:N	1:98:A:ARG:CA	1:98:A:ARG:C	15	1.07
(1,136)	1:91:A:TYR:N	1:91:A:TYR:CA	1:91:A:TYR:C	1:92:A:ARG:N	3	1.07
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	12	1.07
(1,69)	1:40:A:LYS:C	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	5	1.07
(1,287)	1:195:A:ALA:N	1:195:A:ALA:CA	1:195:A:ALA:C	1:196:A:LEU:N	2	1.06
(1,227)	1:148:A:PRO:C	1:149:A:PHE:N	1:149:A:PHE:CA	1:149:A:PHE:C	20	1.06
(1,221)	1:139:A:ALA:C	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	2	1.06
(1,212)	1:134:A:ILE:N	1:134:A:ILE:CA	1:134:A:ILE:C	1:135:A:MET:N	12	1.06
(1,208)	1:131:A:THR:N	1:131:A:THR:CA	1:131:A:THR:C	1:132:A:ALA:N	1	1.06
(1,180)	1:115:A:MET:N	1:115:A:MET:CA	1:115:A:MET:C	1:116:A:TRP:N	10	1.06
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	20	1.06
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	3	1.06
(1,59)	1:35:A:LEU:C	1:36:A:GLU:N	1:36:A:GLU:CA	1:36:A:GLU:C	11	1.06
(1,39)	1:25:A:TYR:N	1:25:A:TYR:CA	1:25:A:TYR:C	1:26:A:ASP:N	8	1.06
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	15	1.05
(1,229)	1:152:A:PRO:N	1:152:A:PRO:CA	1:152:A:PRO:C	1:153:A:GLY:N	1	1.05
(1,221)	1:139:A:ALA:C	1:140:A:ARG:N	1:140:A:ARG:CA	1:140:A:ARG:C	20	1.05
(1,203)	1:126:A:LYS:C	1:127:A:VAL:N	1:127:A:VAL:CA	1:127:A:VAL:C	11	1.05
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	5	1.05
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	7	1.05
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	17	1.05
(1,100)	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	1:62:A:MET:N	2	1.05
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	3	1.04
(1,282)	1:192:A:ALA:C	1:193:A:THR:N	1:193:A:THR:CA	1:193:A:THR:C	4	1.04
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	3	1.04
(1,265)	1:182:A:SER:N	1:182:A:SER:CA	1:182:A:SER:C	1:183:A:SER:N	3	1.04
(1,97)	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	1:60:A:GLU:N	2	1.04
(1,58)	1:35:A:LEU:N	1:35:A:LEU:CA	1:35:A:LEU:C	1:36:A:GLU:N	14	1.04
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	2	1.03
(1,220)	1:139:A:ALA:N	1:139:A:ALA:CA	1:139:A:ALA:C	1:140:A:ARG:N	7	1.03
(1,206)	1:129:A:TRP:N	1:129:A:TRP:CA	1:129:A:TRP:C	1:130:A:GLY:N	12	1.03
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	9	1.03
(1,171)	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	1:111:A:LYS:N	15	1.03
(1,96)	1:58:A:VAL:C	1:59:A:ILE:N	1:59:A:ILE:CA	1:59:A:ILE:C	2	1.03
(1,1)	1:59:A:ILE:C	1:60:A:GLU:N	1:60:A:GLU:CA	1:60:A:GLU:C	5	1.03
(1,354)	1:125:A:ARG:N	1:125:A:ARG:CA	1:125:A:ARG:C	1:126:A:LYS:N	17	1.02
(1,309)	1:210:A:ALA:N	1:210:A:ALA:CA	1:210:A:ALA:C	1:211:A:VAL:N	17	1.02
(1,280)	1:191:A:ALA:C	1:192:A:ALA:N	1:192:A:ALA:CA	1:192:A:ALA:C	7	1.02
(1,276)	1:189:A:LEU:C	1:190:A:TYR:N	1:190:A:TYR:CA	1:190:A:TYR:C	1	1.02
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	9	1.02
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	16	1.02
(1,246)	1:170:A:ALA:N	1:170:A:ALA:CA	1:170:A:ALA:C	1:171:A:HIS:N	8	1.02
(1,238)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:PRO:N	18	1.02
(1,201)	1:125:A:ARG:C	1:126:A:LYS:N	1:126:A:LYS:CA	1:126:A:LYS:C	20	1.02
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	3	1.02
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	8	1.02
(1,174)	1:112:A:ALA:N	1:112:A:ALA:CA	1:112:A:ALA:C	1:113:A:LEU:N	17	1.02
(1,166)	1:107:A:ARG:C	1:108:A:LEU:N	1:108:A:LEU:CA	1:108:A:LEU:C	20	1.02
(1,148)	1:97:A:THR:N	1:97:A:THR:CA	1:97:A:THR:C	1:98:A:ARG:N	12	1.02
(1,107)	1:66:A:ARG:C	1:67:A:CYS:N	1:67:A:CYS:CA	1:67:A:CYS:C	3	1.02

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,99)	1:60:A:GLU:C	1:61:A:ILE:N	1:61:A:ILE:CA	1:61:A:ILE:C	7	1.02
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	9	1.02
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	17	1.01
(1,265)	1:182:A:SER:N	1:182:A:SER:CA	1:182:A:SER:C	1:183:A:SER:N	14	1.01
(1,160)	1:103:A:ILE:C	1:104:A:THR:N	1:104:A:THR:CA	1:104:A:THR:C	3	1.01
(1,132)	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	1:90:A:THR:N	12	1.01
(1,31)	1:18:A:TYR:N	1:18:A:TYR:CA	1:18:A:TYR:C	1:19:A:LEU:N	10	1.01
(1,304)	1:206:A:SER:N	1:206:A:SER:CA	1:206:A:SER:C	1:207:A:ASP:N	11	1.0
(1,275)	1:189:A:LEU:N	1:189:A:LEU:CA	1:189:A:LEU:C	1:190:A:TYR:N	10	1.0
(1,235)	1:158:A:HIS:C	1:159:A:ALA:N	1:159:A:ALA:CA	1:159:A:ALA:C	7	1.0
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	3	1.0
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	15	1.0
(1,170)	1:109:A:VAL:C	1:110:A:SER:N	1:110:A:SER:CA	1:110:A:SER:C	20	1.0
(1,79)	1:45:A:PHE:C	1:46:A:PHE:N	1:46:A:PHE:CA	1:46:A:PHE:C	12	1.0
(1,70)	1:41:A:GLU:N	1:41:A:GLU:CA	1:41:A:GLU:C	1:42:A:MET:N	8	1.0